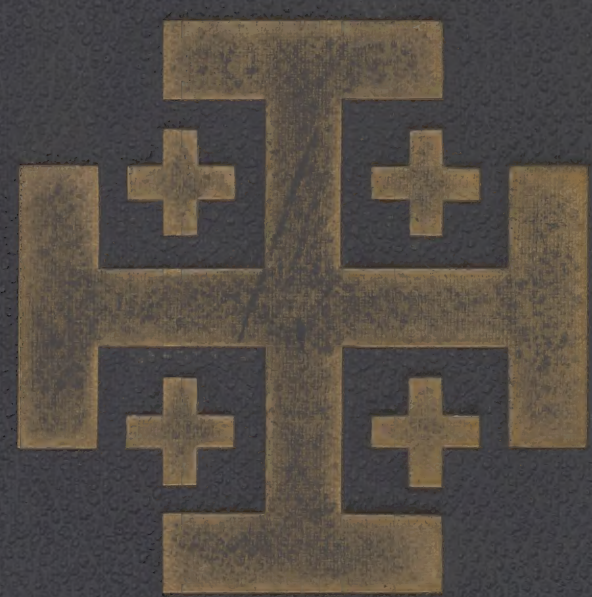


PALESTINE EXPLORATION FUND



EXCAVATIONS AT JERUSALEM.

1884.



PLANS, ELEVATIONS, SECTIONS, &c.  
 SHEWING THE RESULTS OF THE  
**EXCAVATIONS AT JERUSALEM, 1867-70**  
 EXECUTED FOR  
**THE COMMITTEE OF THE PALESTINE EXPLORATION FUND**  
 BY CAPTAIN CHARLES WARREN, R.E.

*Assisted by*

SERJEANT H. BIRTLES, CORPORAL J. DUNCAN, CORPORAL J.A. HANSON,  
 CORPORAL R. TURNER, " D. MACKENZIE, " J. COCK,  
 " C. ELLIS

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# ROCK CONTOURS OF JERUSALEM

BY  
Lieut. Col. C. Warren, R.E.

From the records of the Excavations, from the Ordnance Survey,  
and from levels supplied by Herr C. Schick and others.

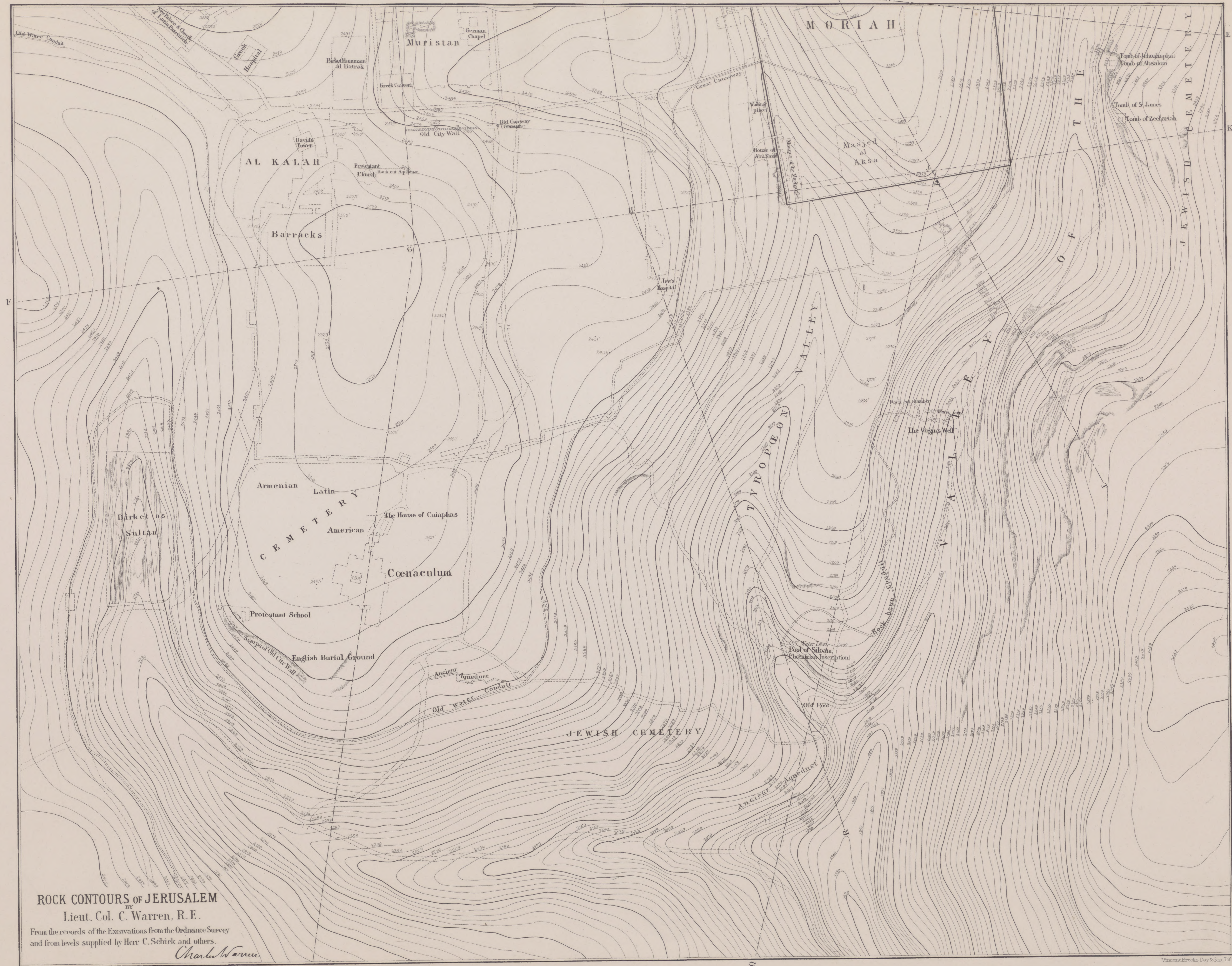
*Charles Warren*



SCALE OF FEET 2500  
100 200 300 400 500 600 700 800 900 1000

Vincent Brooks, Drawn from Warren's





ROCK CONTOURS OF JERUSALEM  
by  
Lieut. Col. C. Warren, R.E.

From the records of the Excavations from the Ordnance Survey  
and from levels supplied by Herr C. Schick and others.

*Charles Warren*

Vincent Brooks, Day & Son, Lith.

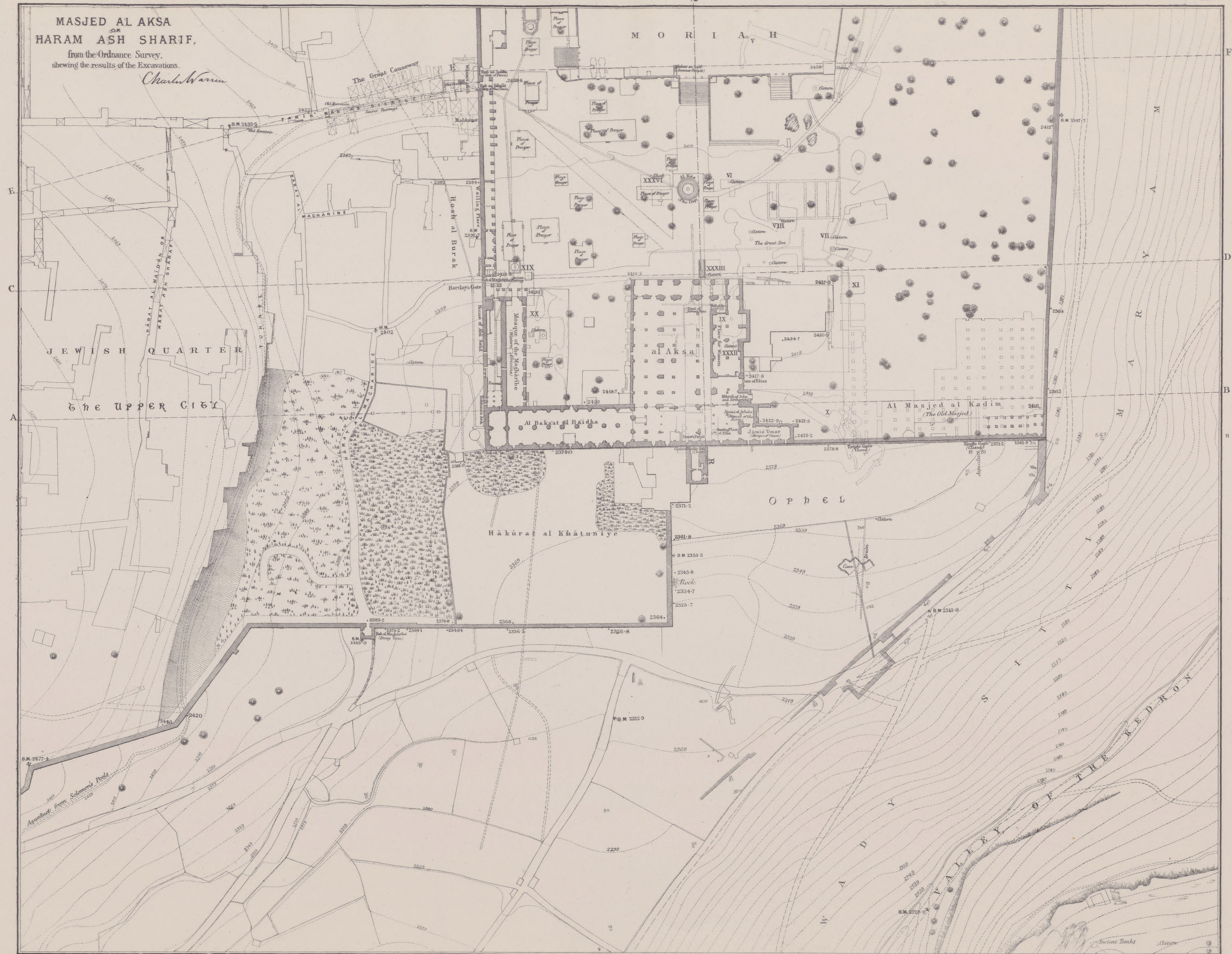






**MASJED AL AKSA**  
**HARAM ASH SHARIF,**  
 from the Ordnance Survey,  
 shewing the results of the Excavations.

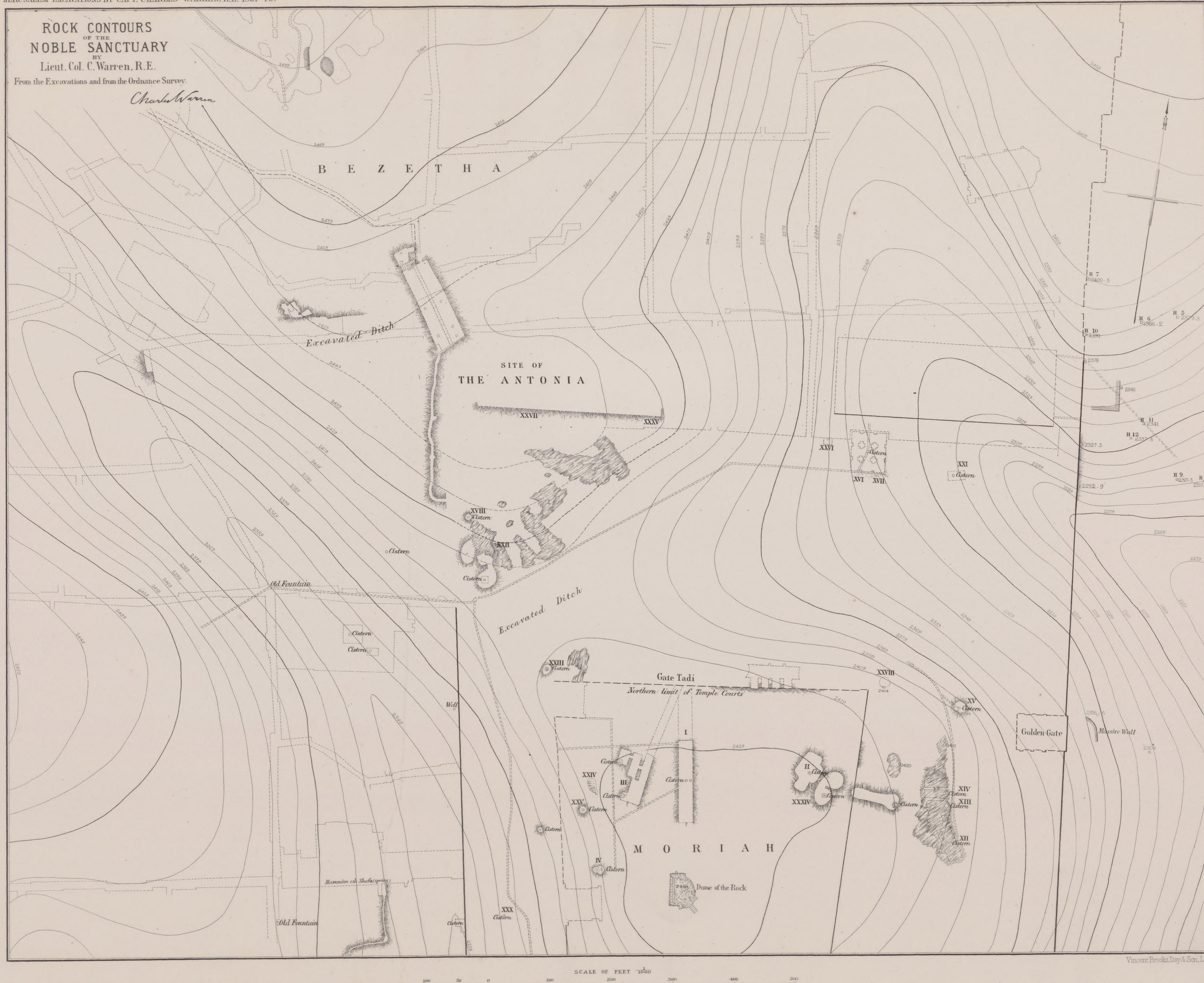
*Charles Warren*



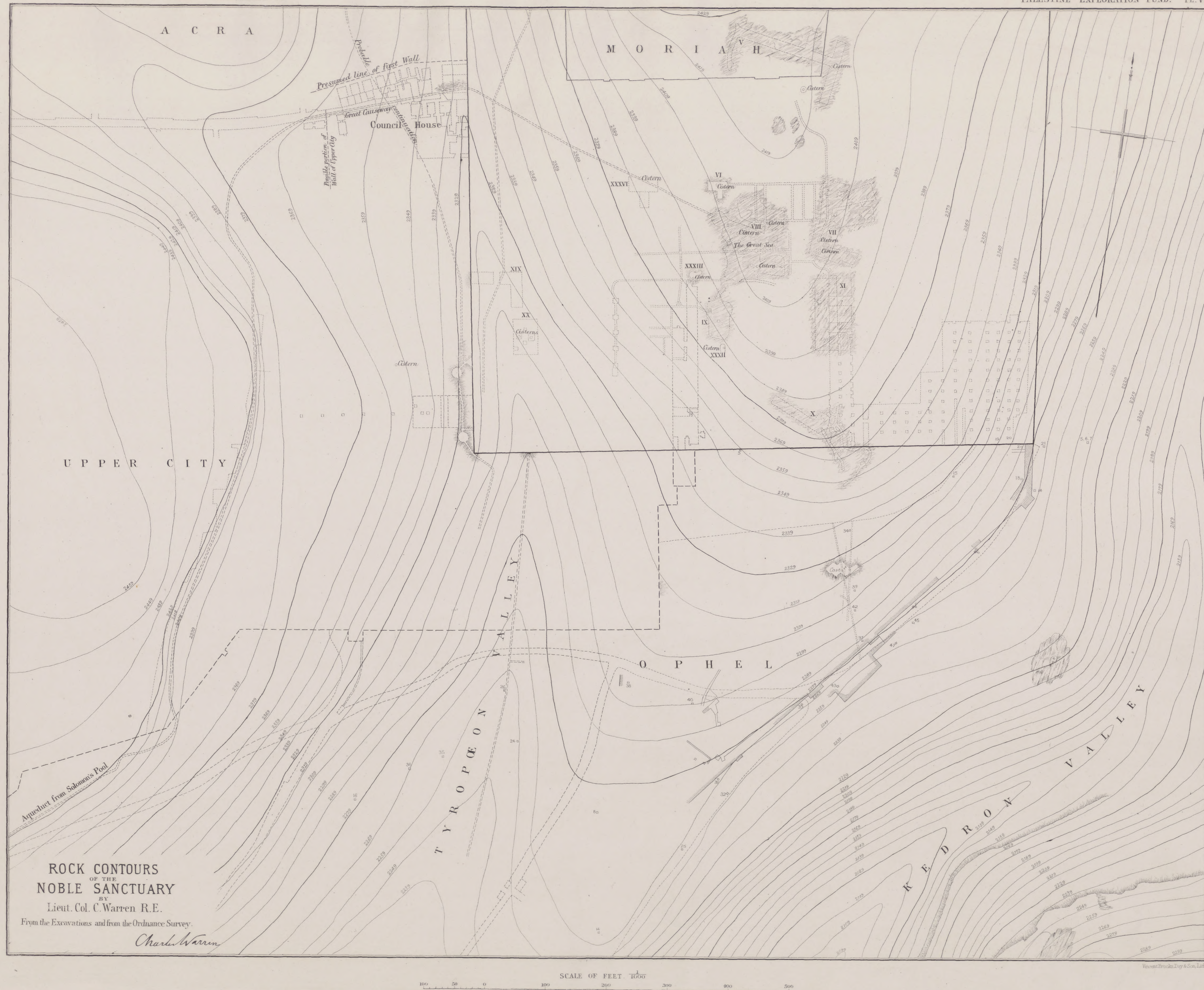


From the Excavations and from the Ordnance Survey.

Charles Warren









SECTIONS ON PLATES II & III.  
SHOWING ROCK CONTOURS OF JERUSALEM

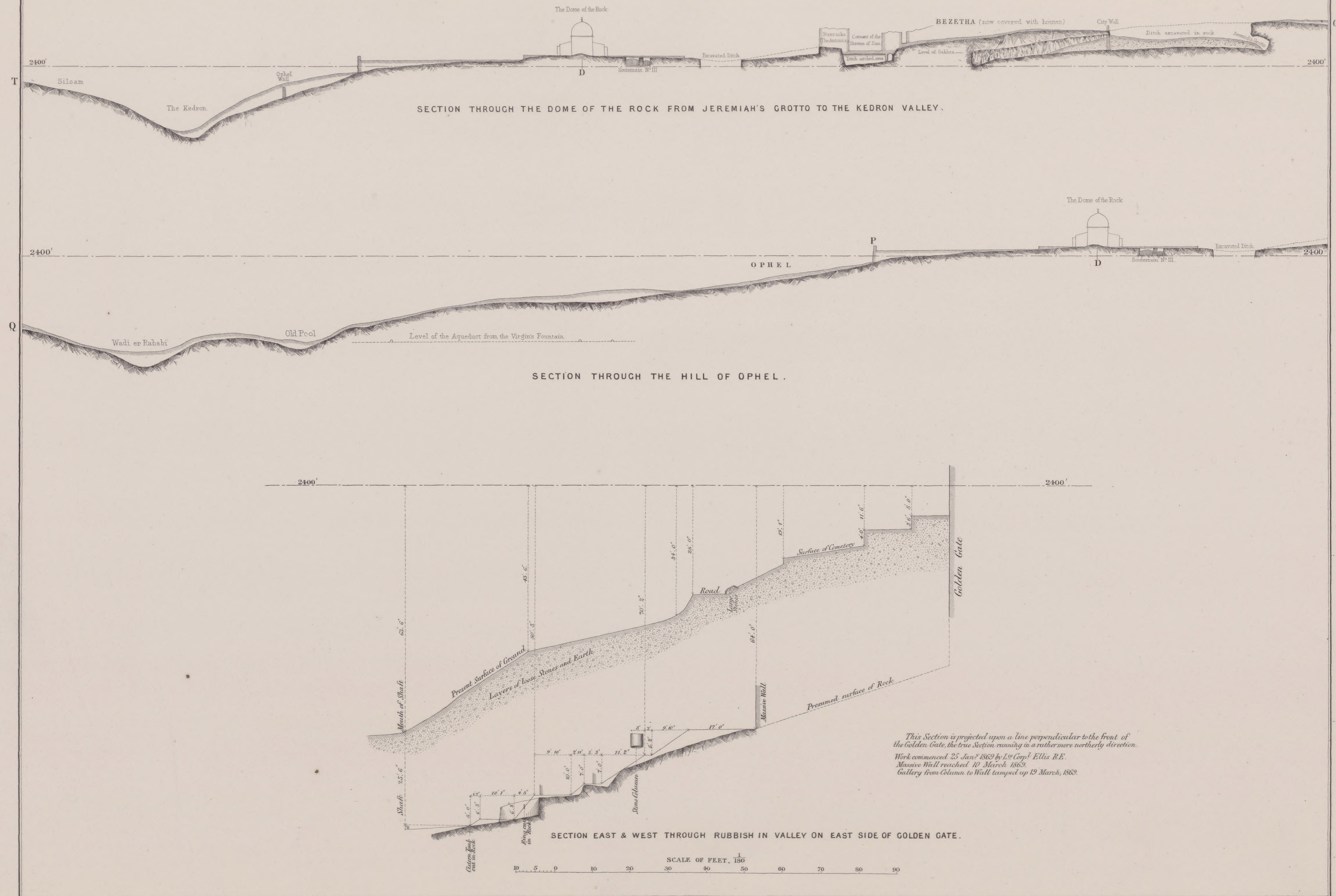
BY  
*Charles Warren*





SECTIONS ON PLATES II & III  
SHEWING ROCK CONTOURS OF JERUSALEM

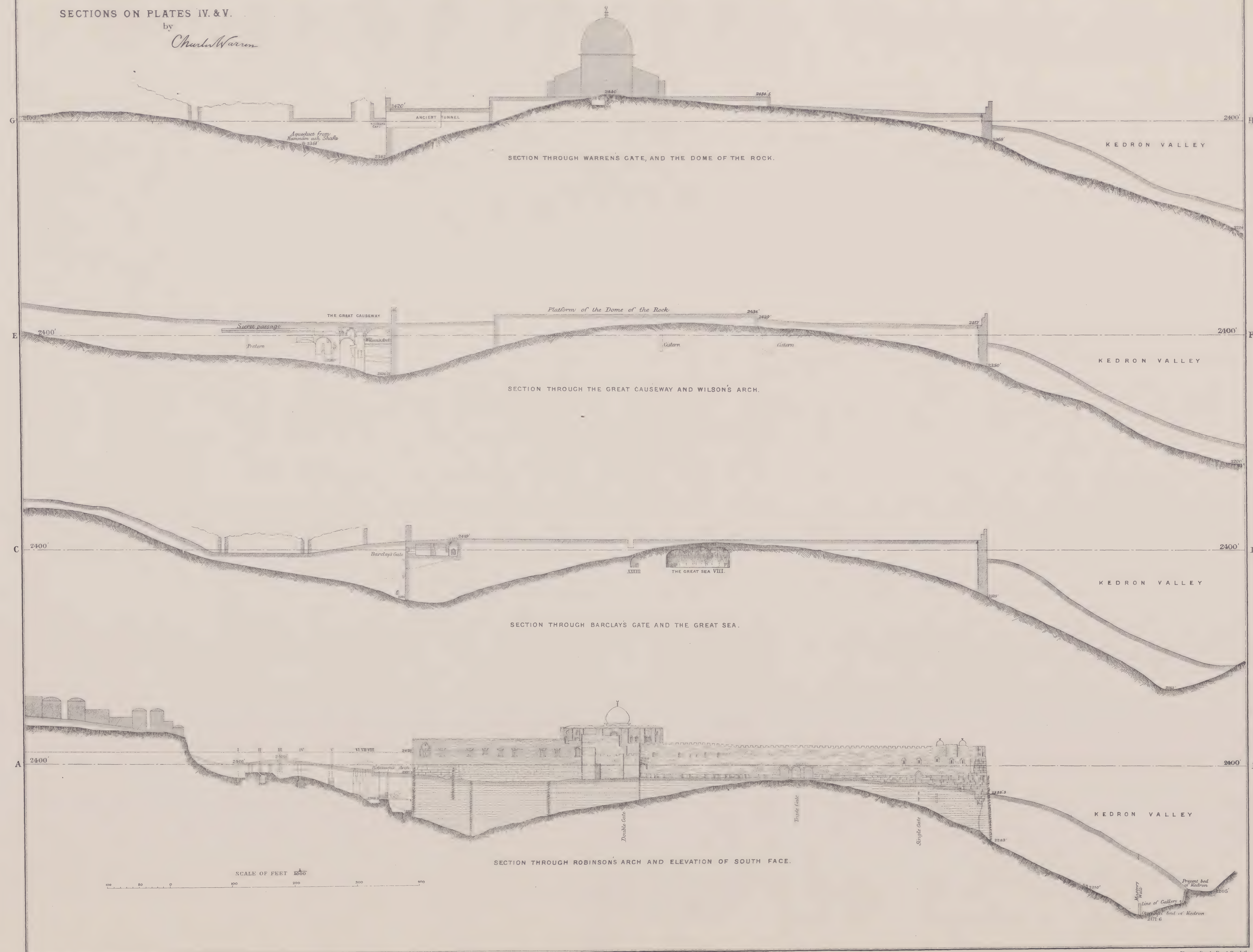
BY  
*Charles Warren*





SECTIONS ON PLATES IV. & V.

by  
*Charles Warren*

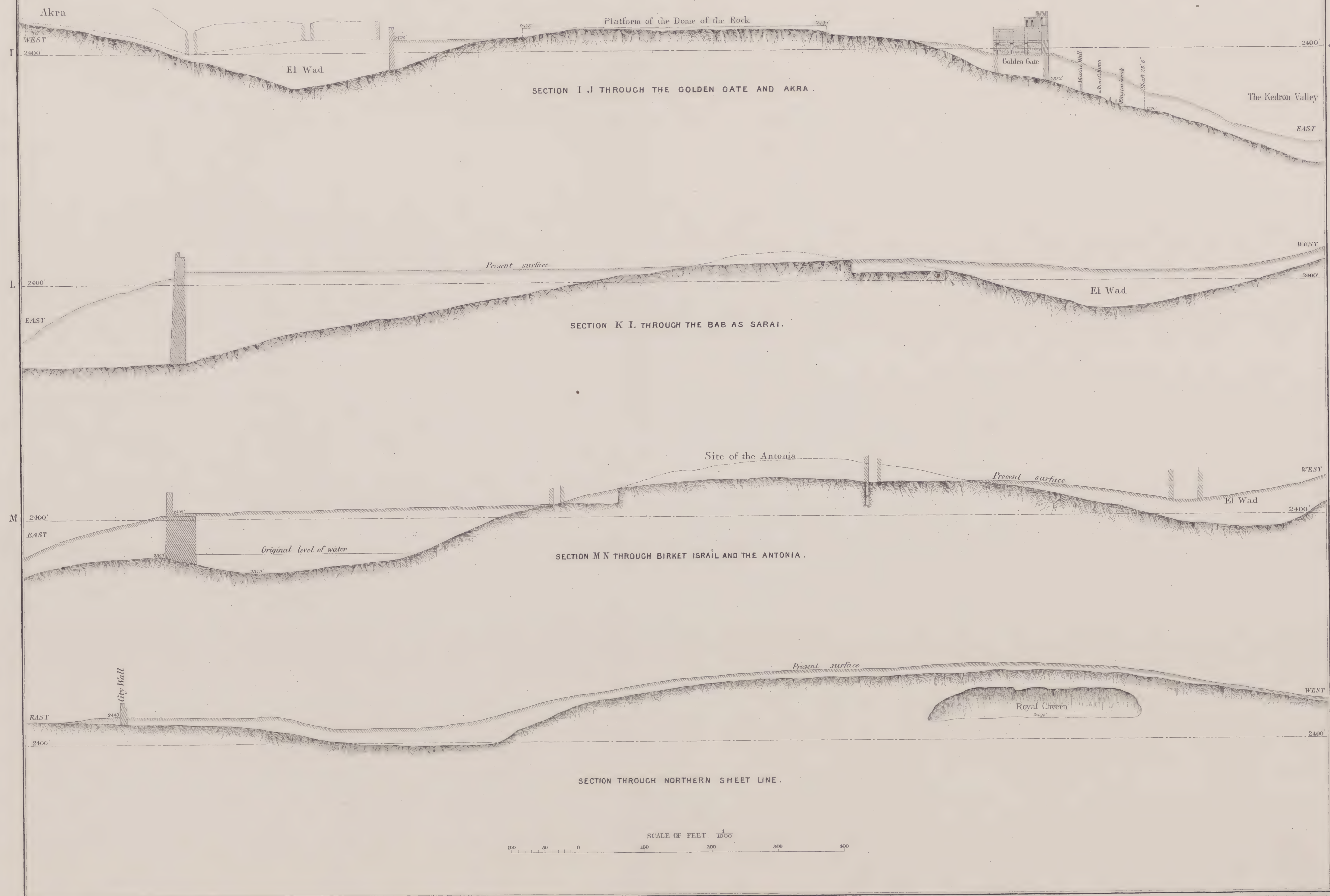




SECTIONS ON PLATES IV & V.

BY

*Charles Warren*

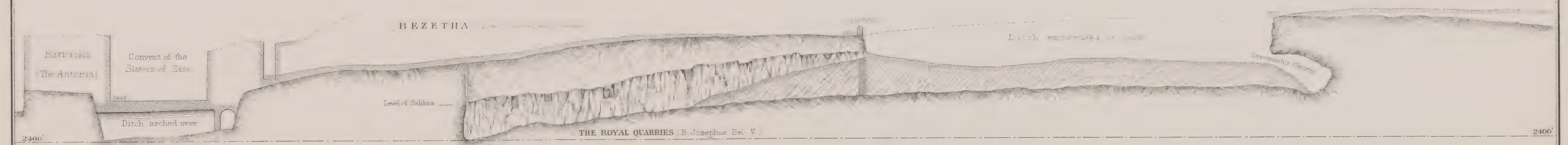
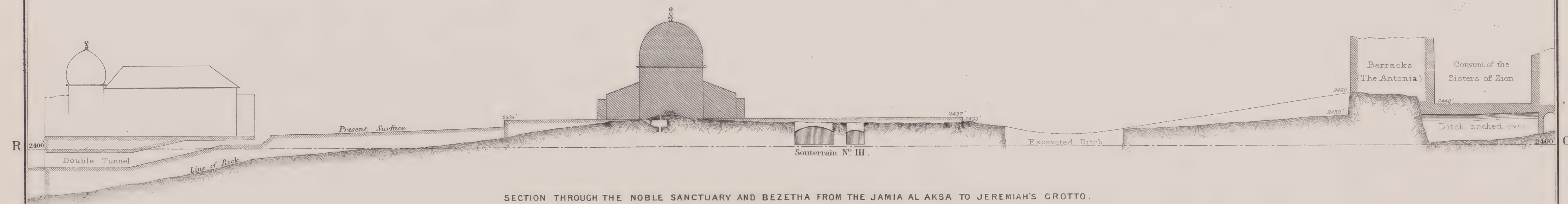
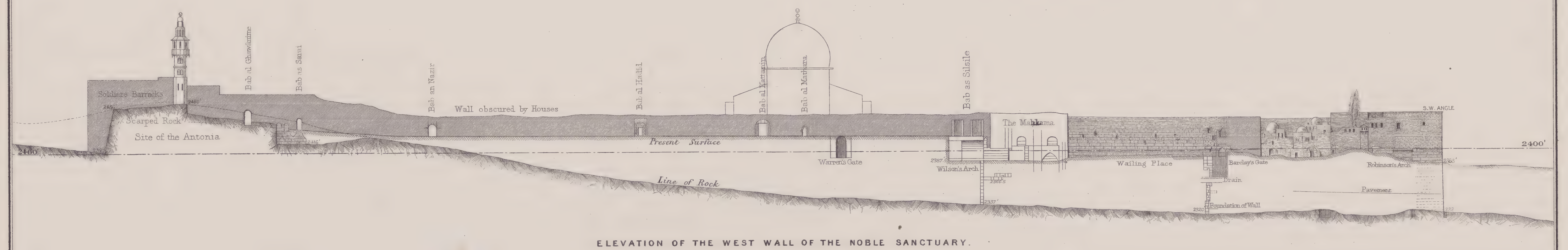
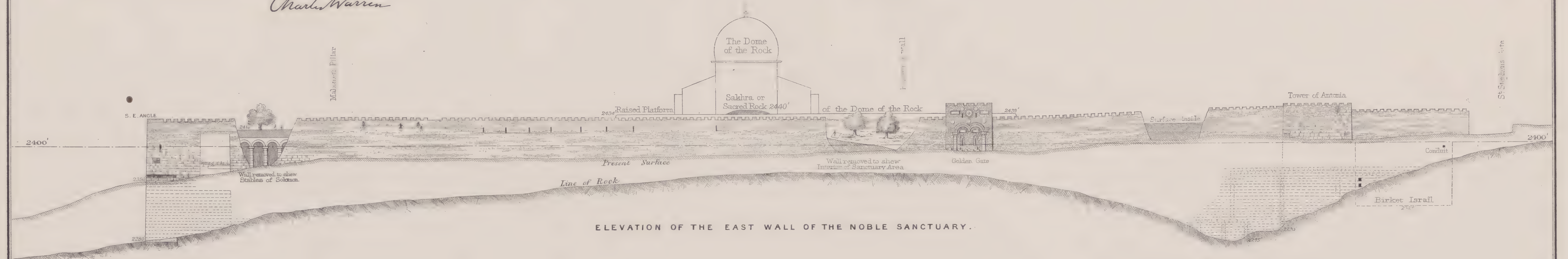




SECTIONS & ELEVATIONS ON PLATES IV & V.

BY

*Charles Warren*

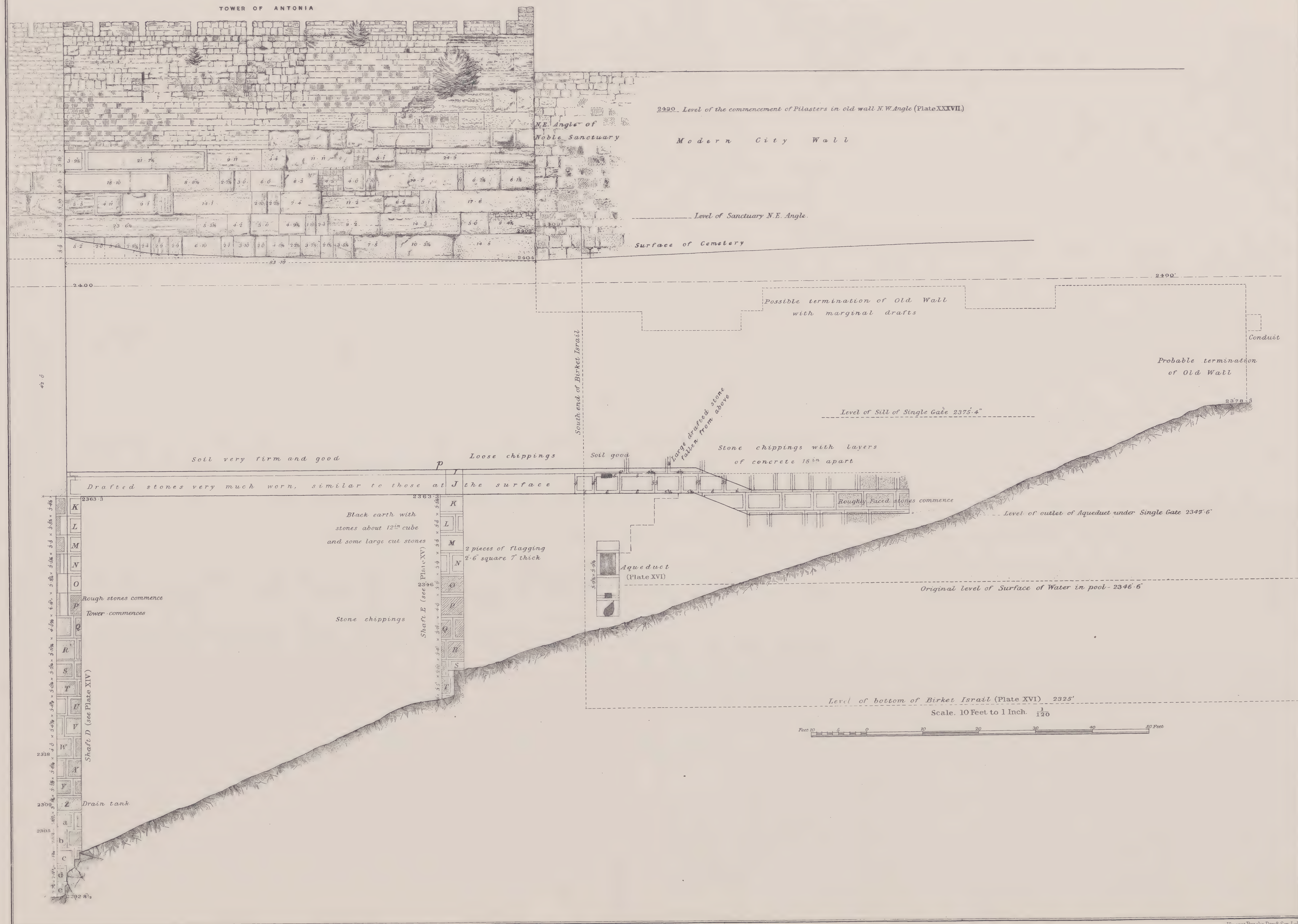


SCALE OF FEET. 1/1000  
0 50 100 150 200 250 300 350 400



ELEVATION OF THE SANCTUARY WALL AT THE NORTH EAST ANGLE.

by *Charles Warren*

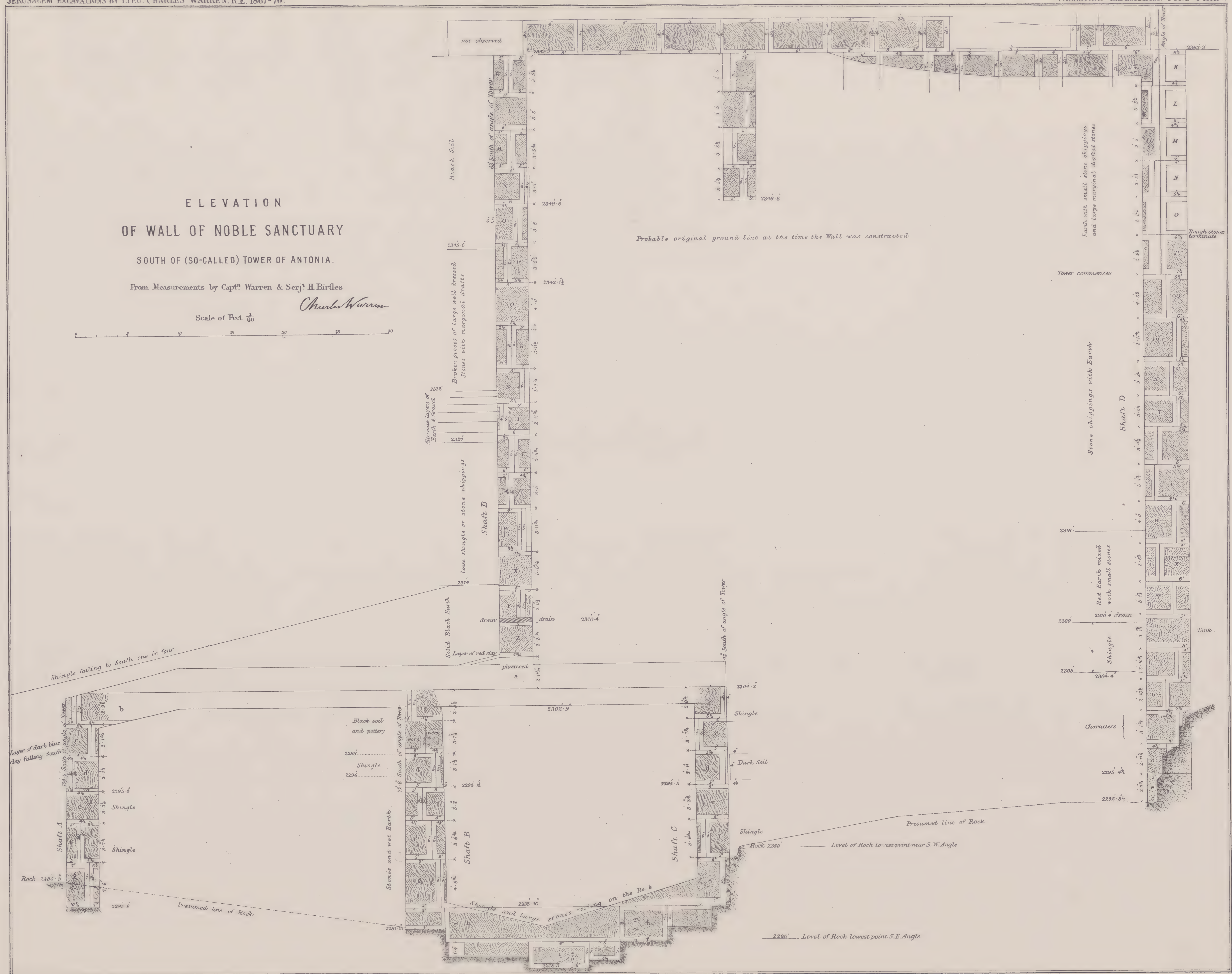




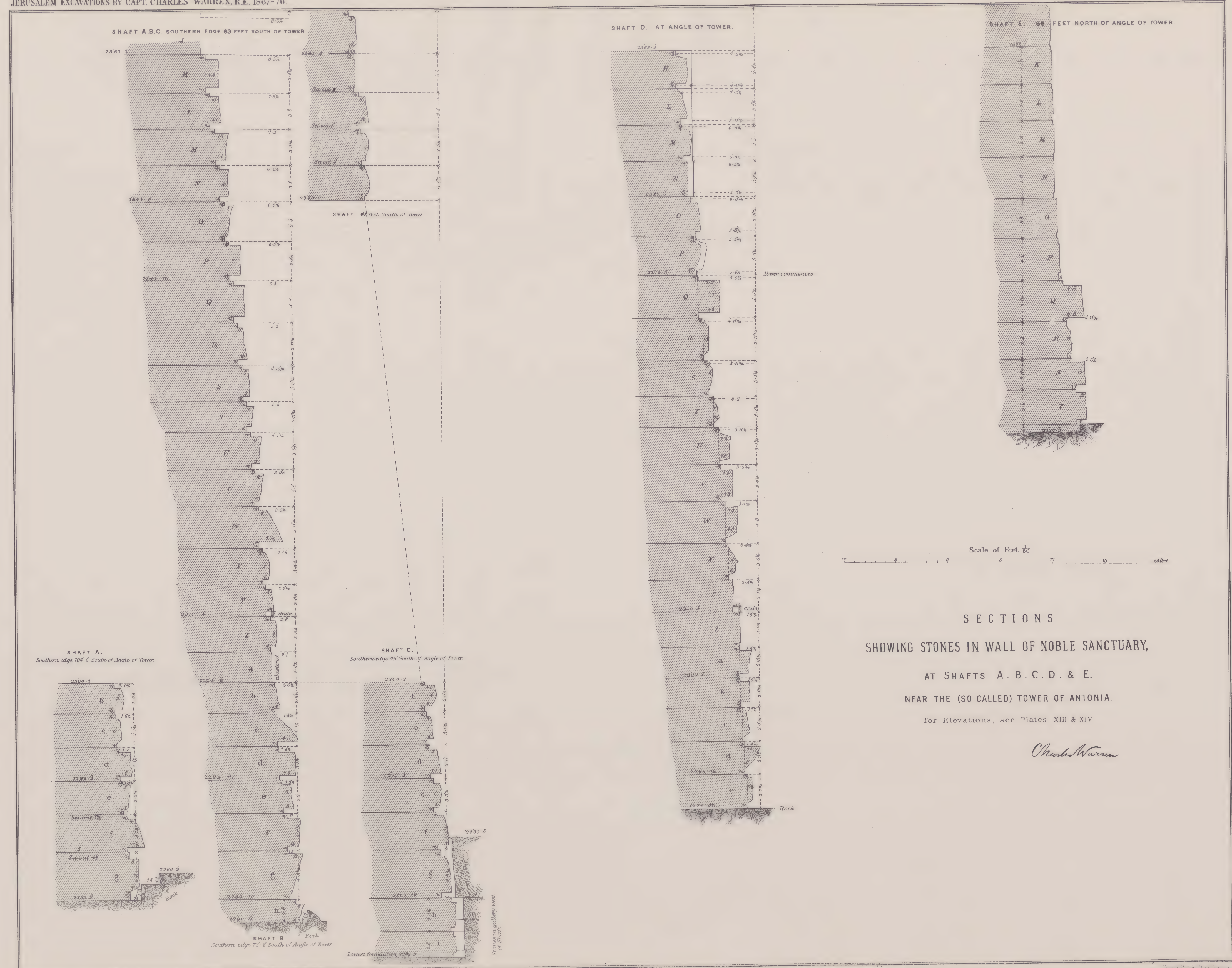
# ELEVATION OF WALL OF NOBLE SANCTUARY

SOUTH OF (SO-CALLED) TOWER OF ANTONIA.

From Measurements by Capt. Warren &amp; Serjt. H. Birtles

*Charles Warren*Scale of Feet  $\frac{1}{60}$ 







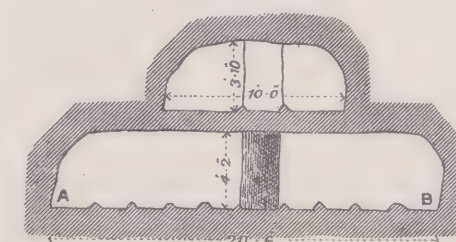




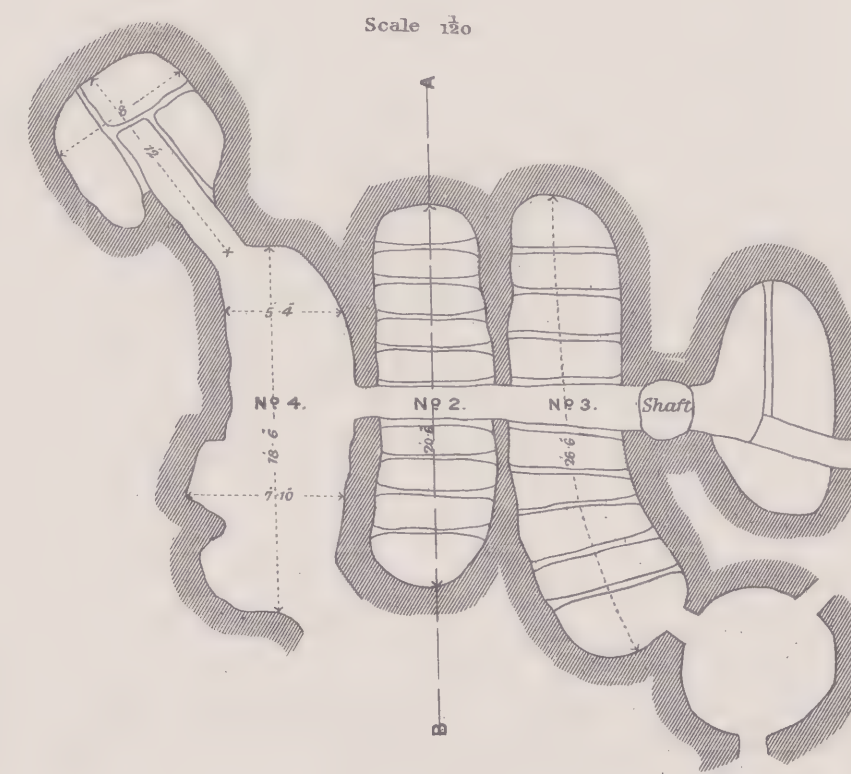
# DETAILS NEAR NORTH EAST ANGLE. NOBLE SANCTUARY.

*Charles Warren*

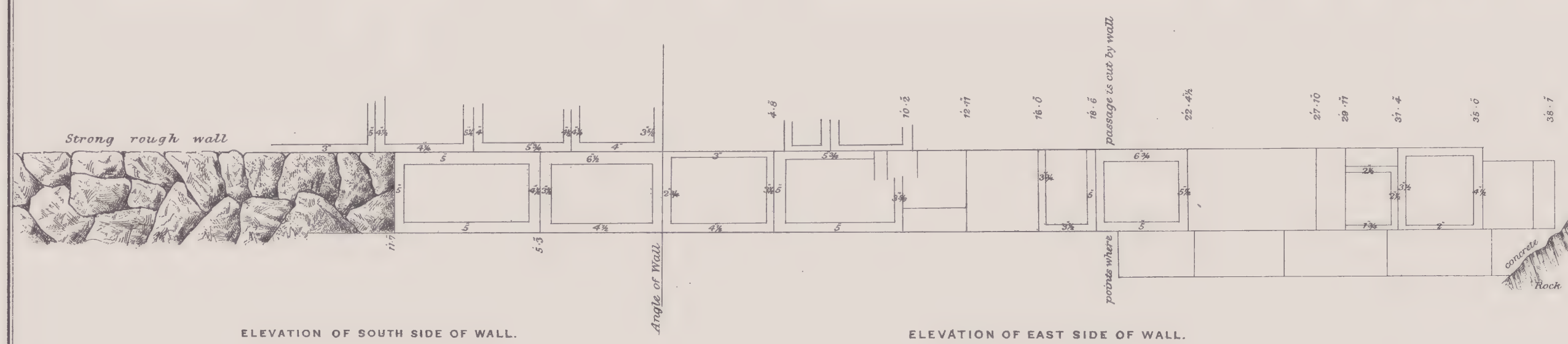
H.I. PLAN & SECTION OF PORTION OF ROCK CUT TOMBS  
Discovered 2nd April 1869. East of St Stephen's Gate,  
containing early Christian pottery.



Section on A.B.



Scale 1/80

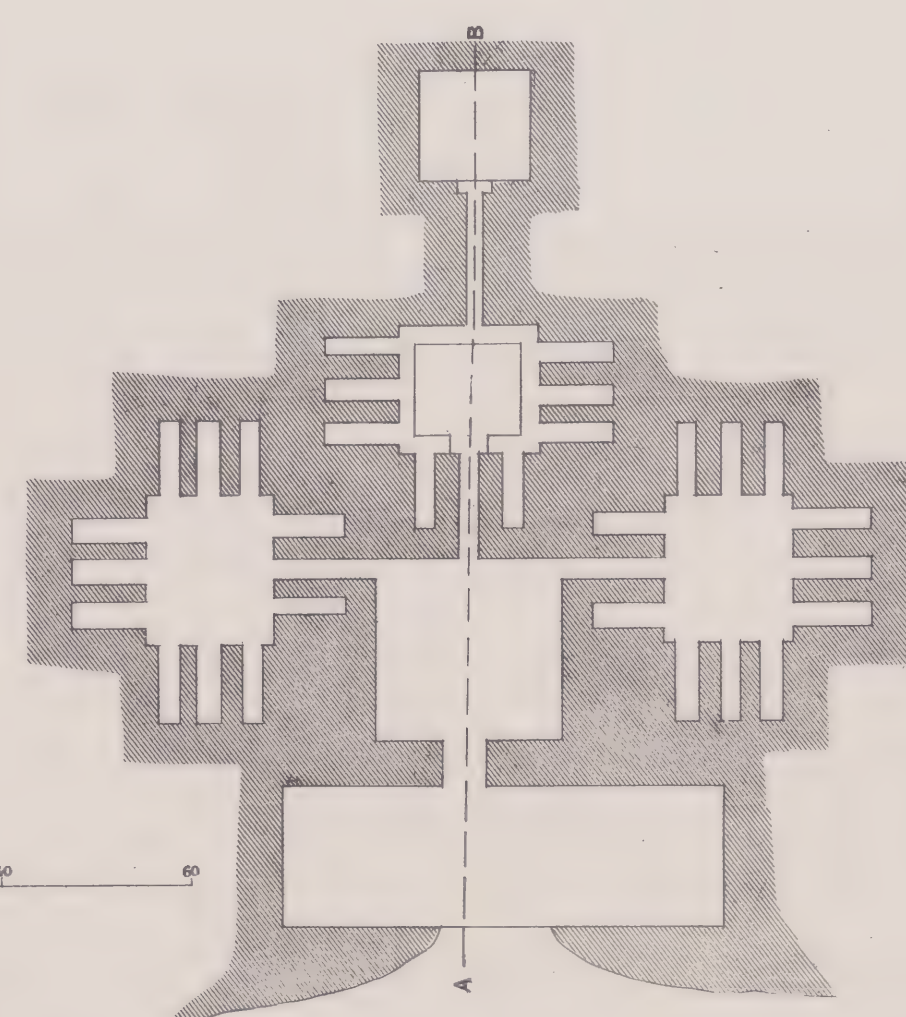


ELEVATION OF SOUTH SIDE OF WALL.

ELEVATION OF EAST SIDE OF WALL.

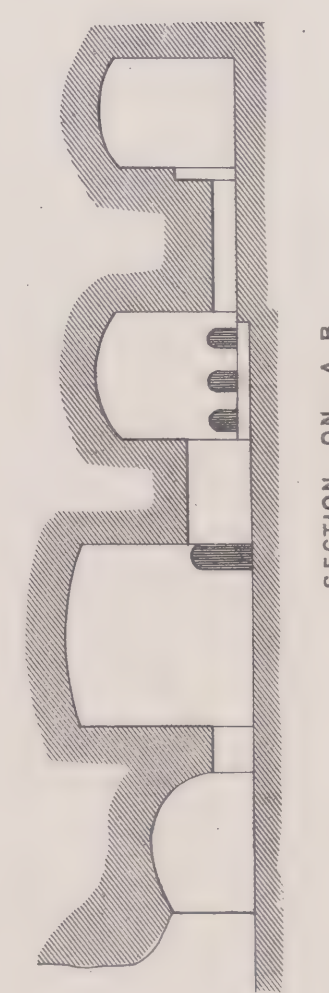
ELEVATION OF PART OF MASSIVE WALL EXPOSED TO EAST OF BIRKET ISRAEL. H"

Scale 1/40



SCALE OF FEET. 1/80

PLAN OF A REMARKABLE TOMB ON THE WESTERN SIDE OF THE KEDRON.  
SOUTH OF BIR EYUB ABOUT 1/2 MILE.

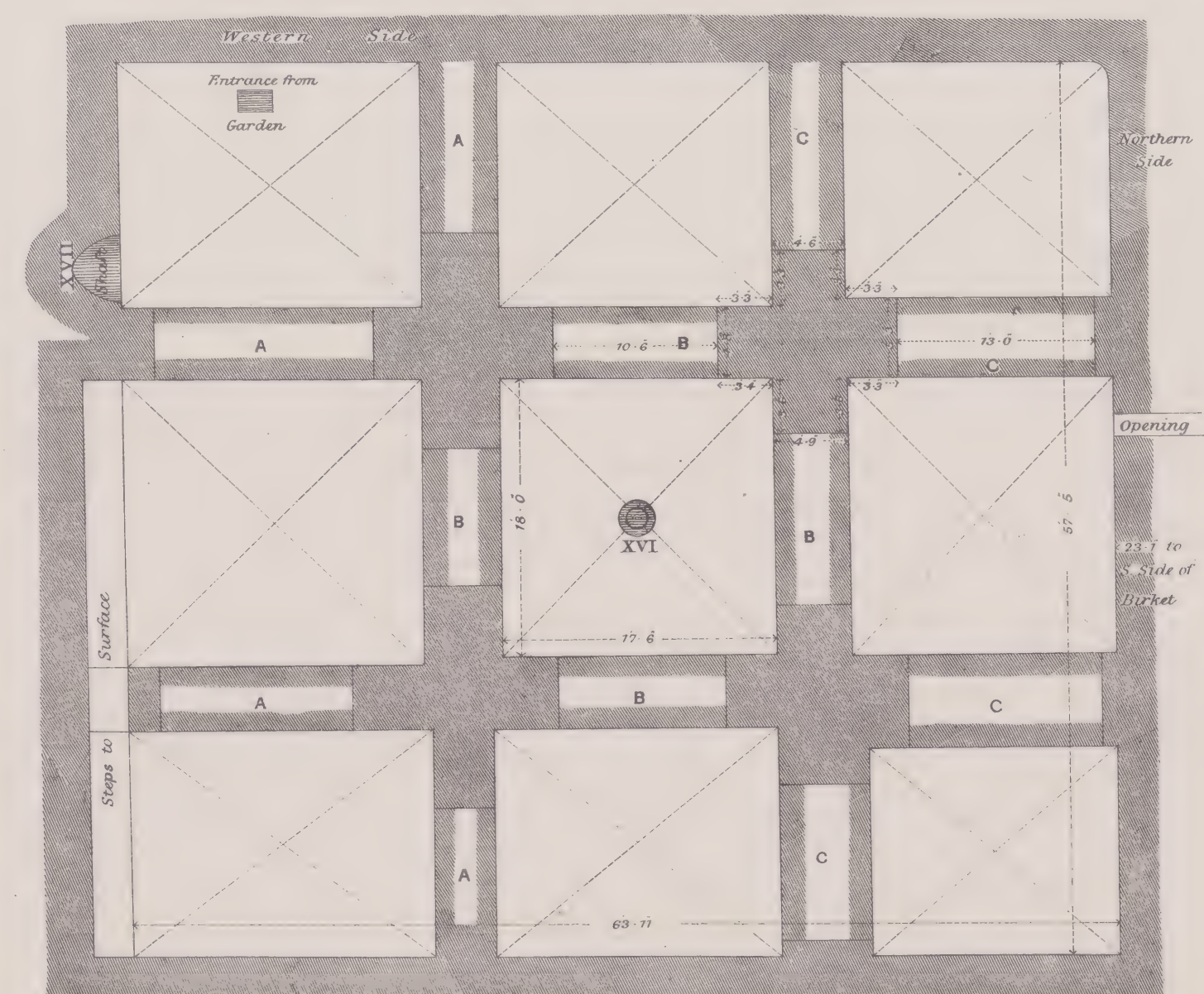


SECTION ON A.B.

SECTION THROUGH CITY WALL  
BELOW SURFACE H 10.00.

SECTION & ELEVATION OF CITY WALL  
BELOW SURFACE H. 7.00

PLAN OF A REMARKABLE CISTERN. XVI. XVII.  
AT NORTH EAST END OF SANCTUARY AREA NEAR BAB HYTTA.  
Scale 1/100 10 Feet to 11 inch.



FOR SECTION SEE PLATE XVI.



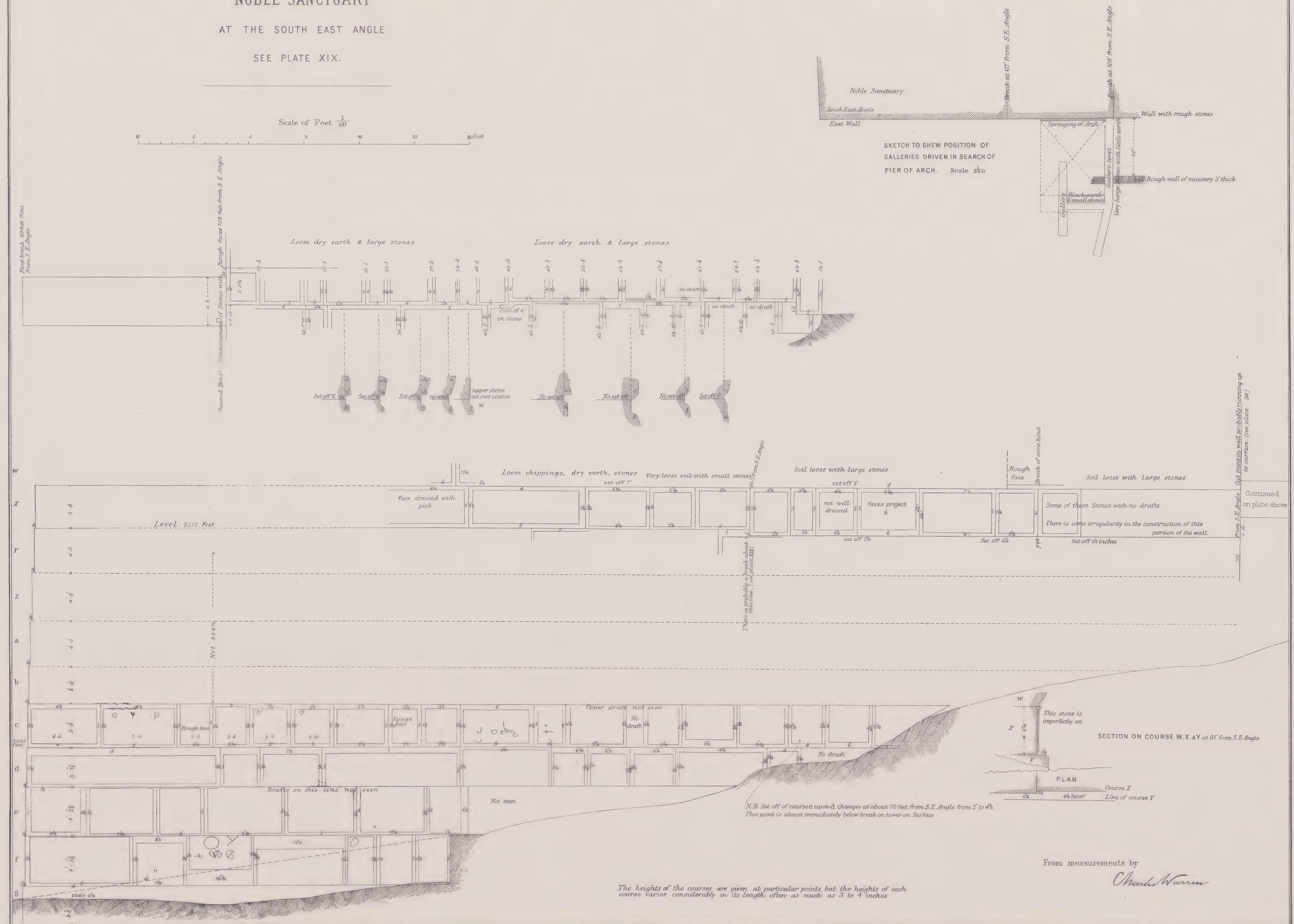
### DETAILS OF STONES ON EAST WALL

## NOBLE SANCTUARY

AT THE SOUTH EAST ANGLE

SEE PLATE XIX.

See Plates V. XIX. XX. & XL.



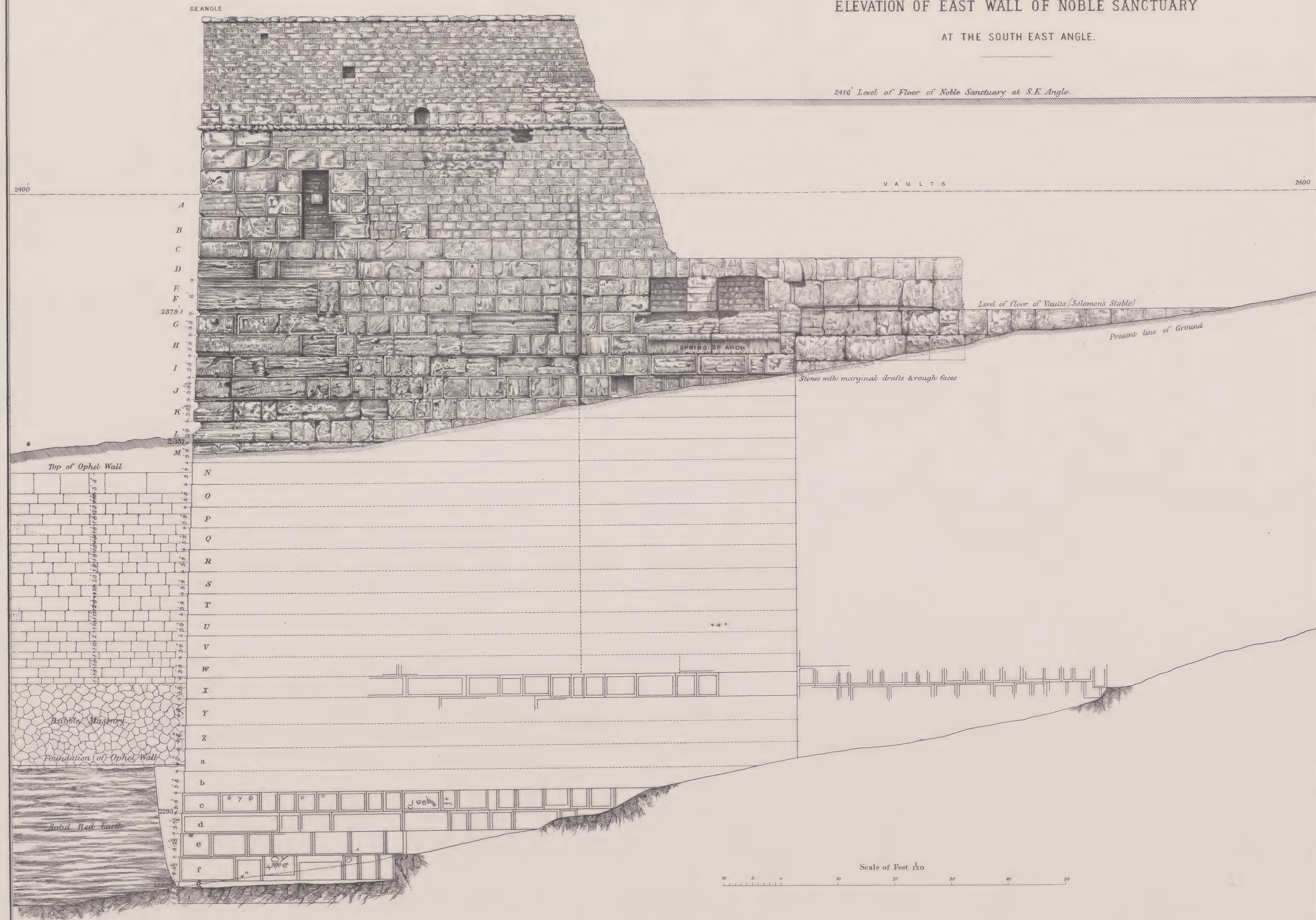
Vincent Brooks, Day & Son, Lath



See Plates. V. XVIII. XX. XXIV. & XL.

# ELEVATION OF EAST WALL OF NOBLE SANCTUARY

AT THE SOUTH EAST ANGLE.



From measurements by Cap<sup>t</sup> Warren R.E.  
& Serj<sup>t</sup> Birtles R.E.

*Charles Warren*



See Plate XXIV.

S.E. ANGLE, SOUTH SIDE.  
SHEWING THE SINGLE GATE AND THE SECRET PASSAGE OR AQUEDUCT UNDERNEATH.

*Charles Warren*

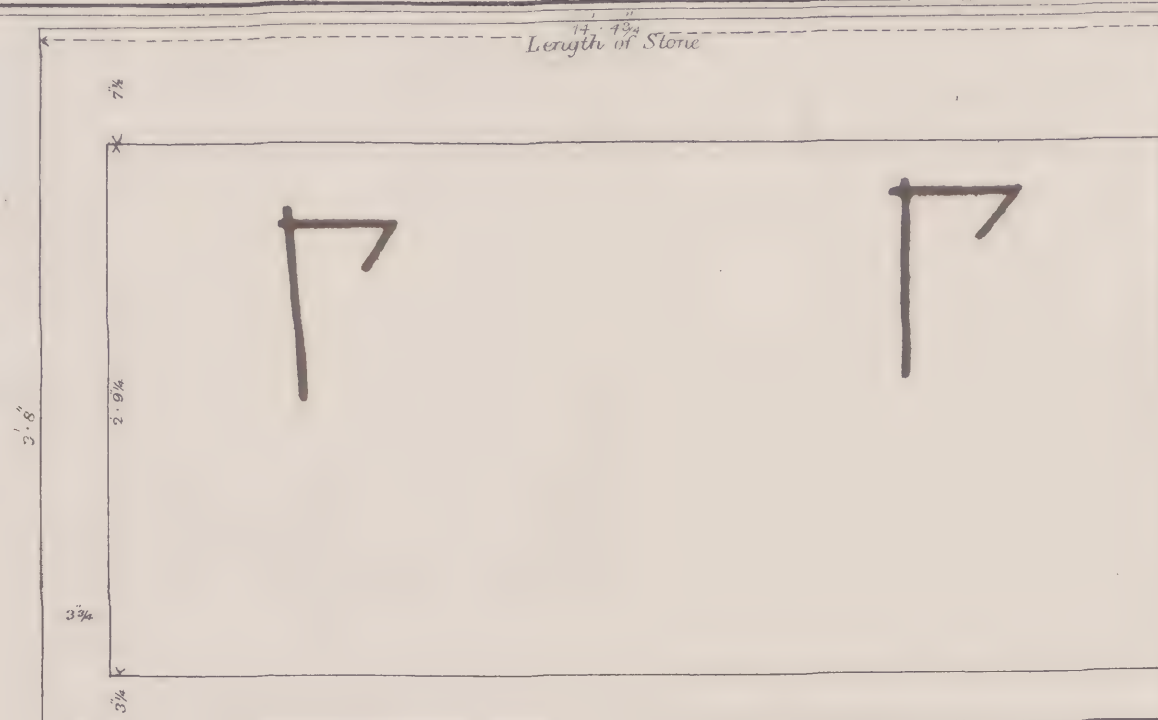




PAINTED MARKS, EAST WALL, NOBLE SANCTUARY.



G



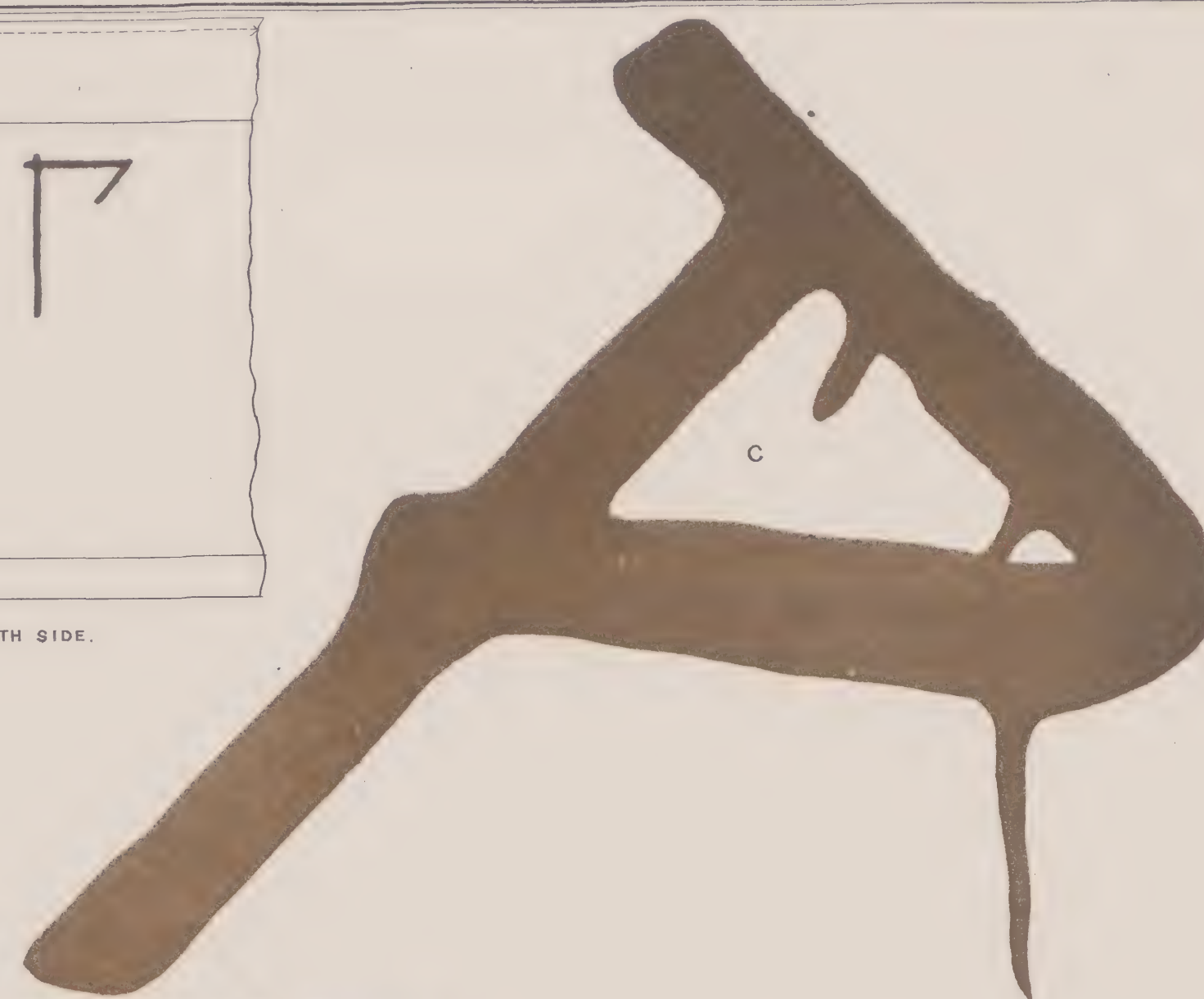
1ST STONE ON C COURSE AT S.E. ANGLE ON SOUTH SIDE.  
Scale 1/2



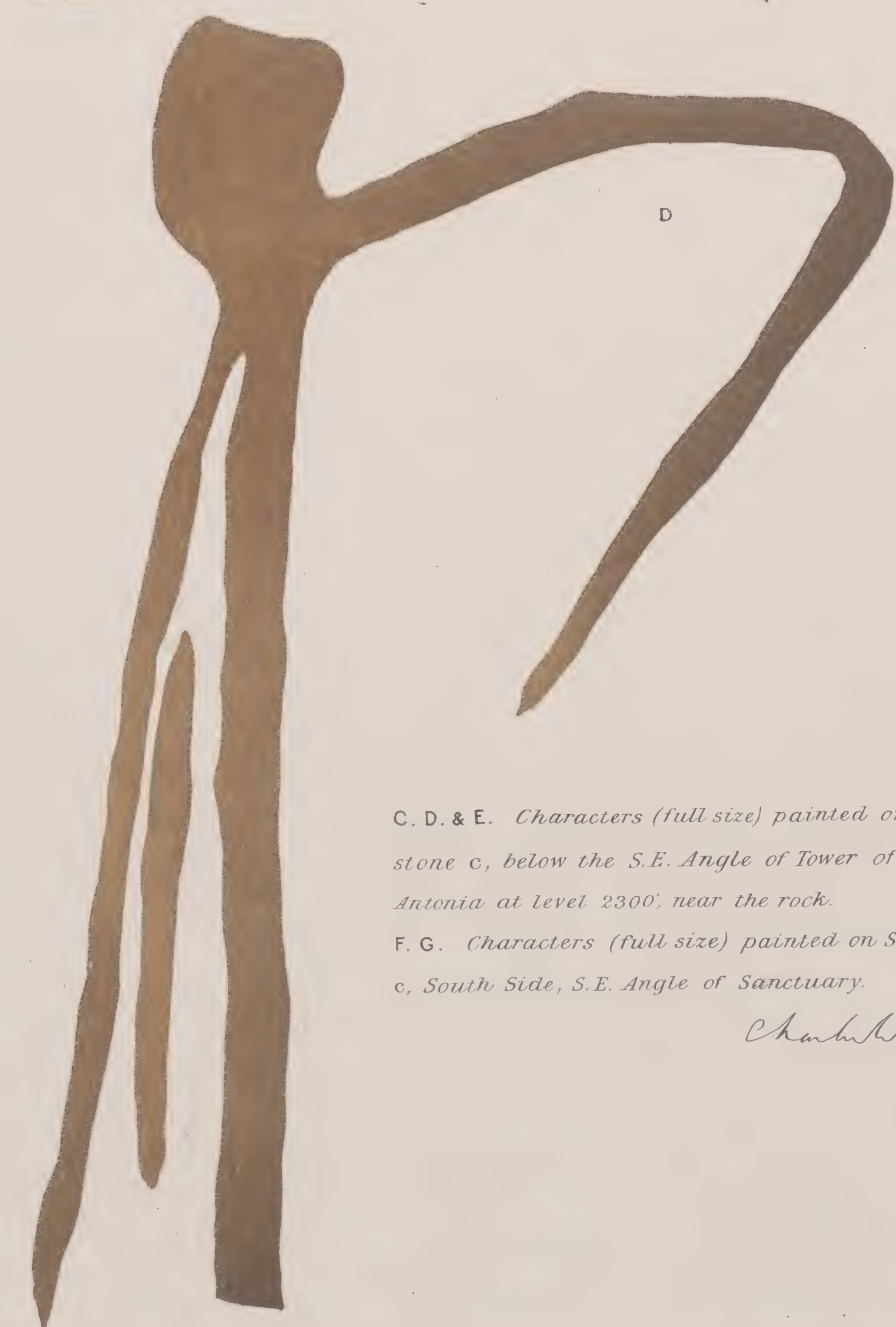
F



E



C



D

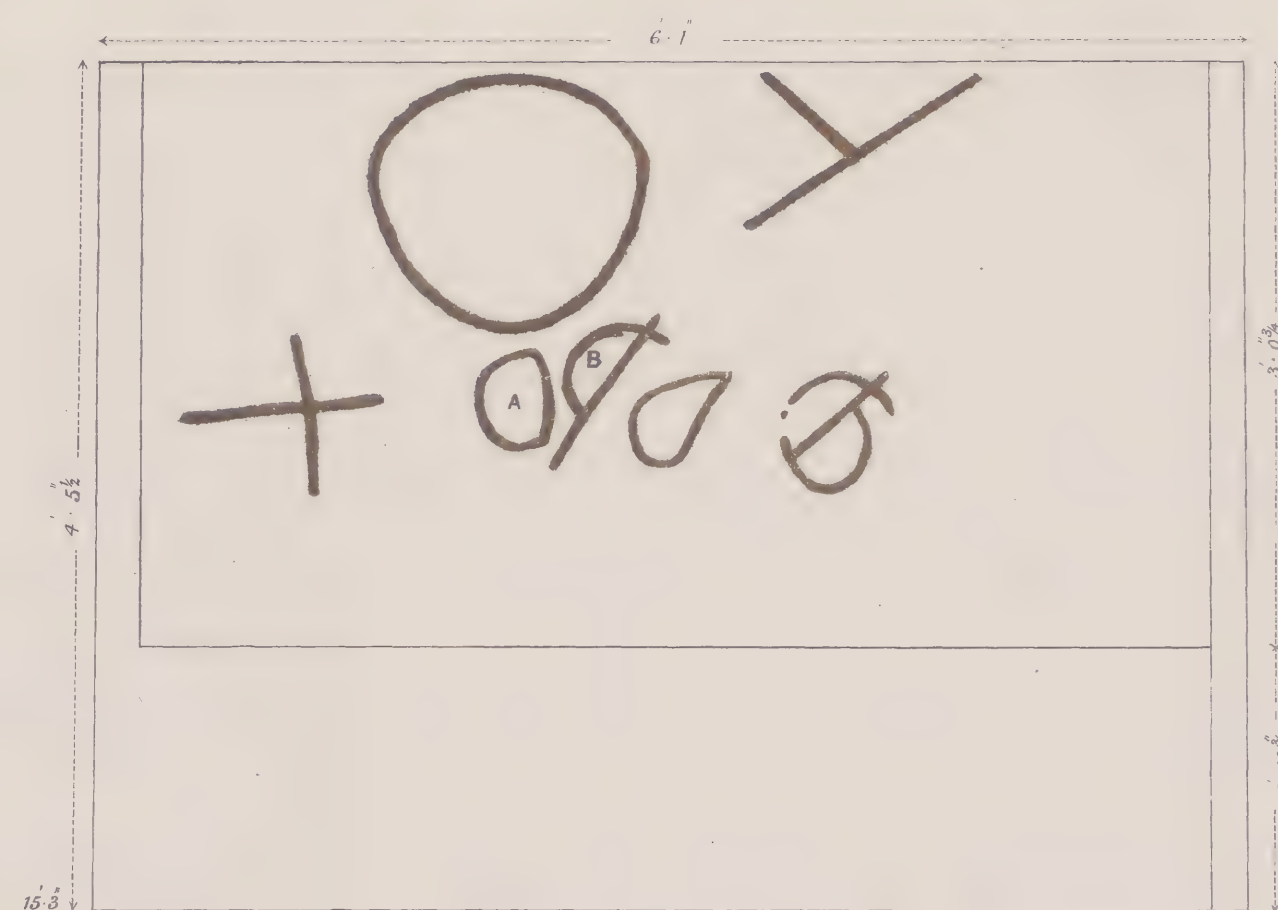
C. D. & E. Characters (full size) painted on stone c, below the S.E. Angle of Tower of Antonia at level 2300', near the rock.

F. G. Characters (full size) painted on Stone c, South Side, S.E. Angle of Sanctuary.

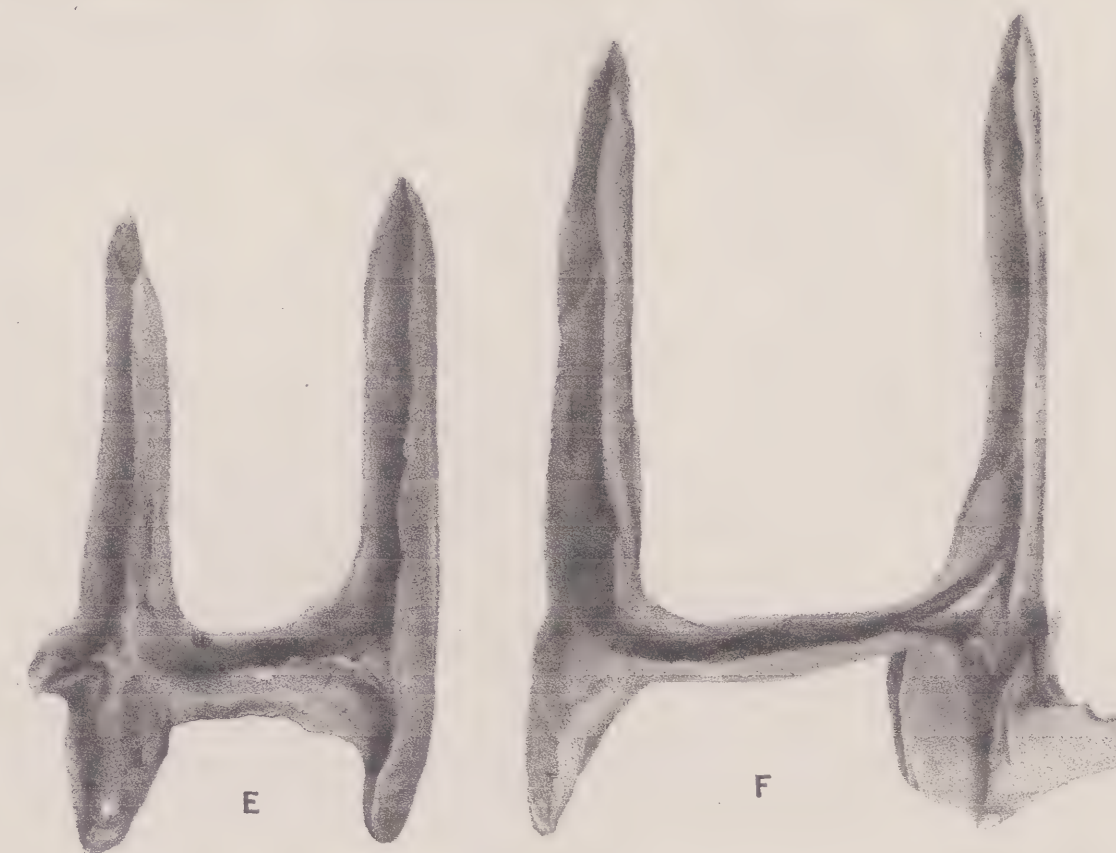
Charles Warren



STONE COURSE F, EAST SIDE S.E. ANGLE OF SANCTUARY.



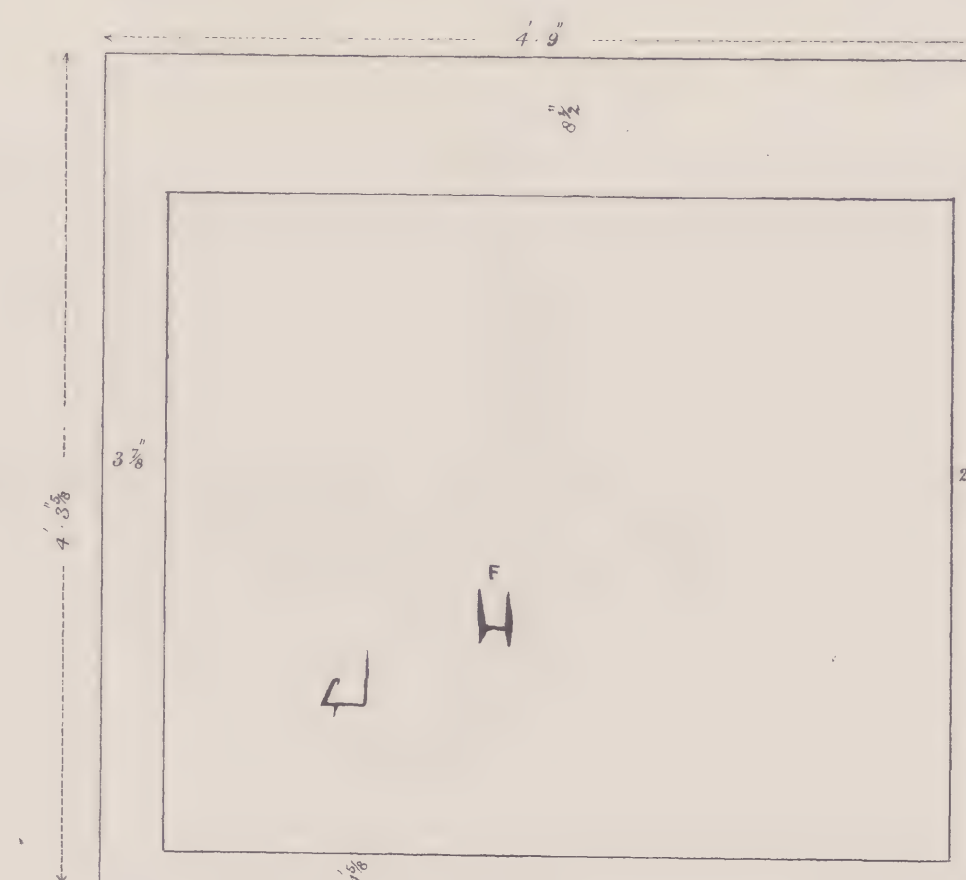
Scale  $\frac{1}{12}$ .



CHARACTERS INCISED, FULL SIZE.

E. on Stone e course.  
F. on Stone f course.

See Plates XVIII & XIX.

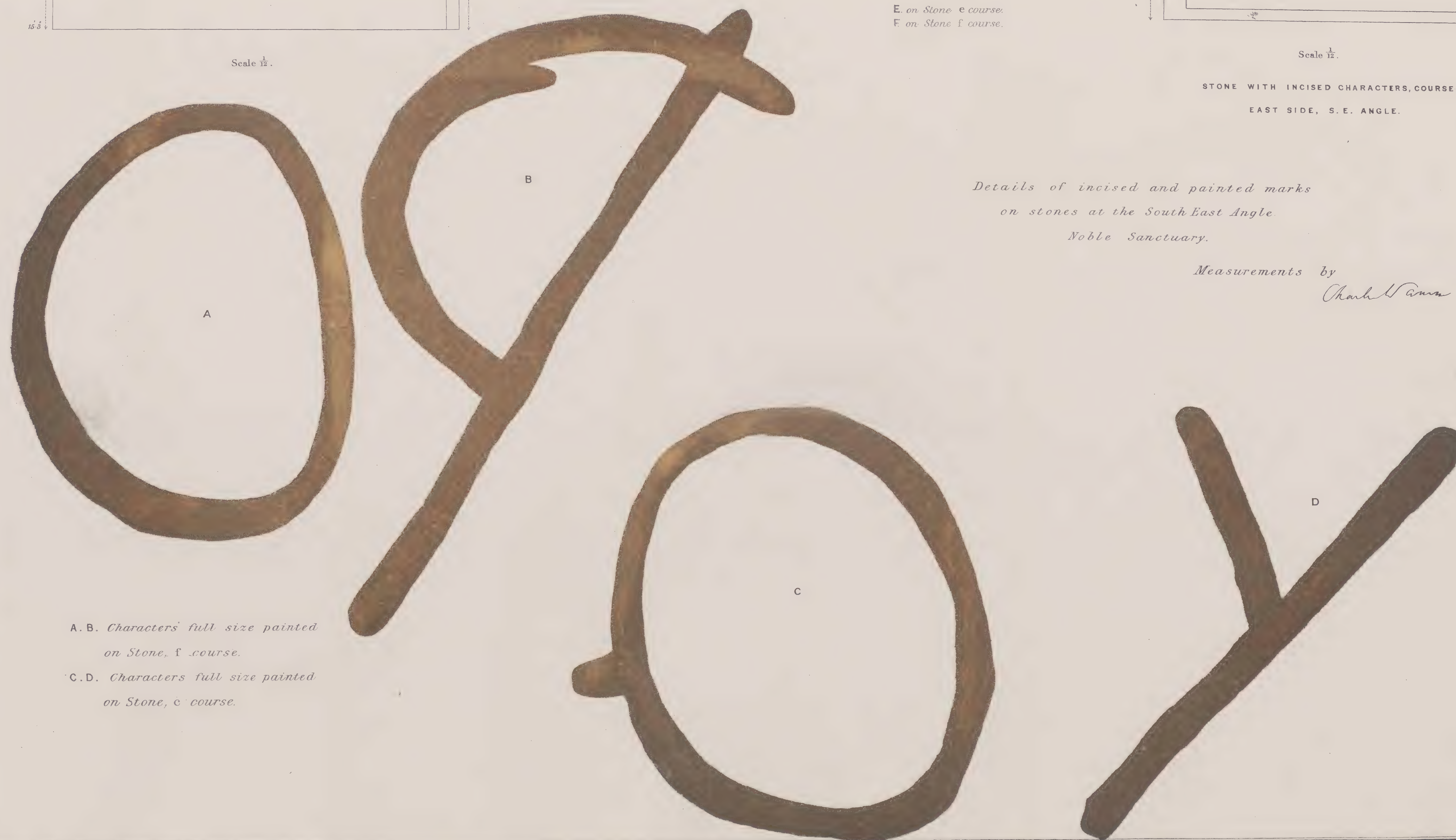


Scale  $\frac{1}{12}$ .

STONE WITH INCISED CHARACTERS, COURSE F.  
EAST SIDE, S.E. ANGLE.

*Details of incised and painted marks  
on stones at the South East Angle  
Noble Sanctuary.*

*Measurements by  
Charles Warren*



A. B. Characters full size painted  
on Stone, f course.

C. D. Characters full size painted  
on Stone, e course.



DETAILS OF PAINTED MARKS ON STONE

S.E. ANGLE, NOBLE SANCTUARY.



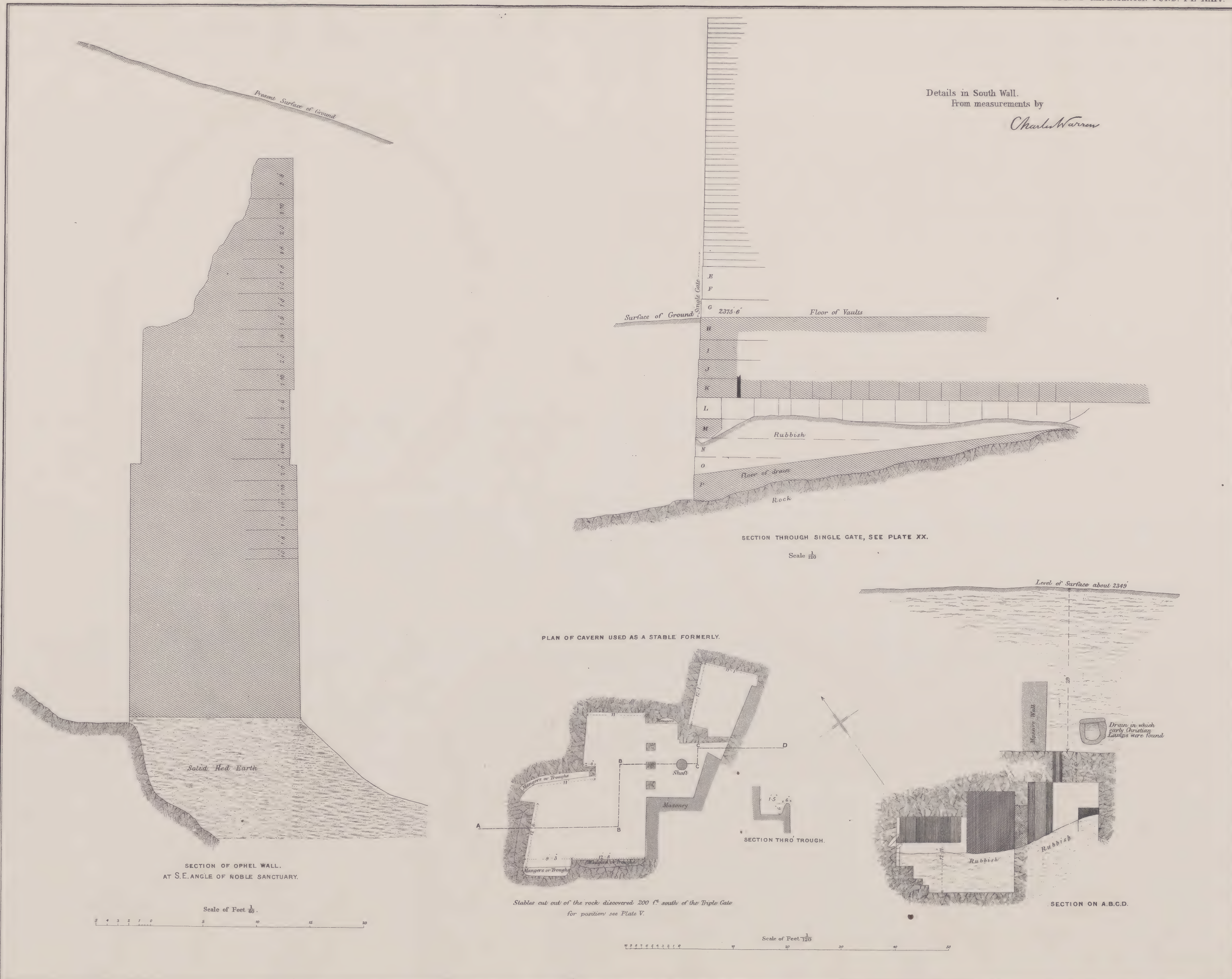
A  
On left hand top course of fifth stone  
from S.E. Angle, East side course I.

TENTH STONE IN COURSE C. FROM S.E. ANGLE, EAST SIDE.

B, C, D, E, & F, Characters full size  
painted in red on stone, course  
c, east side S.E. Angle of Sanc-  
tuary.

From traces by  
Charles Warren

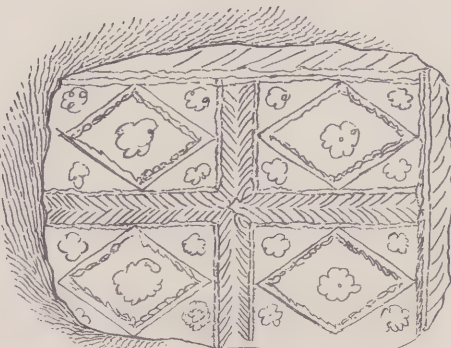
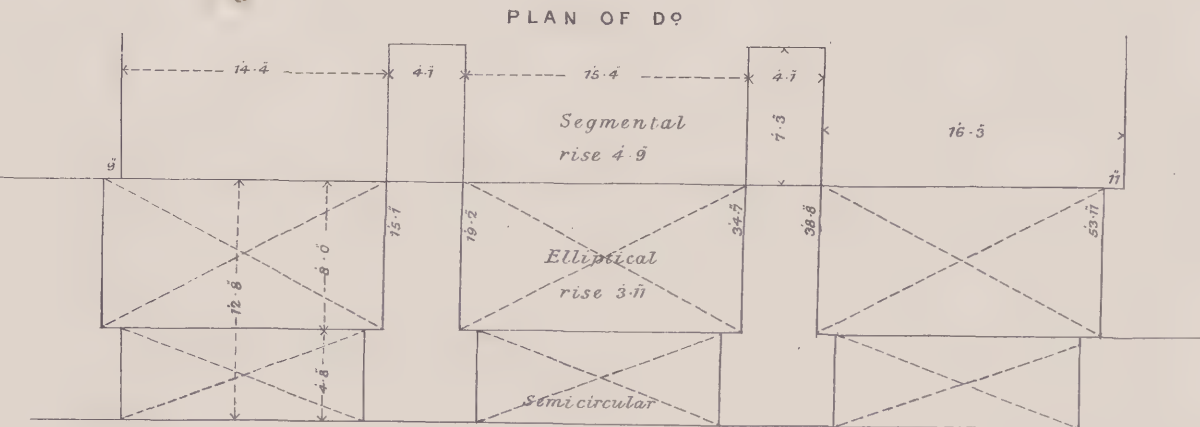
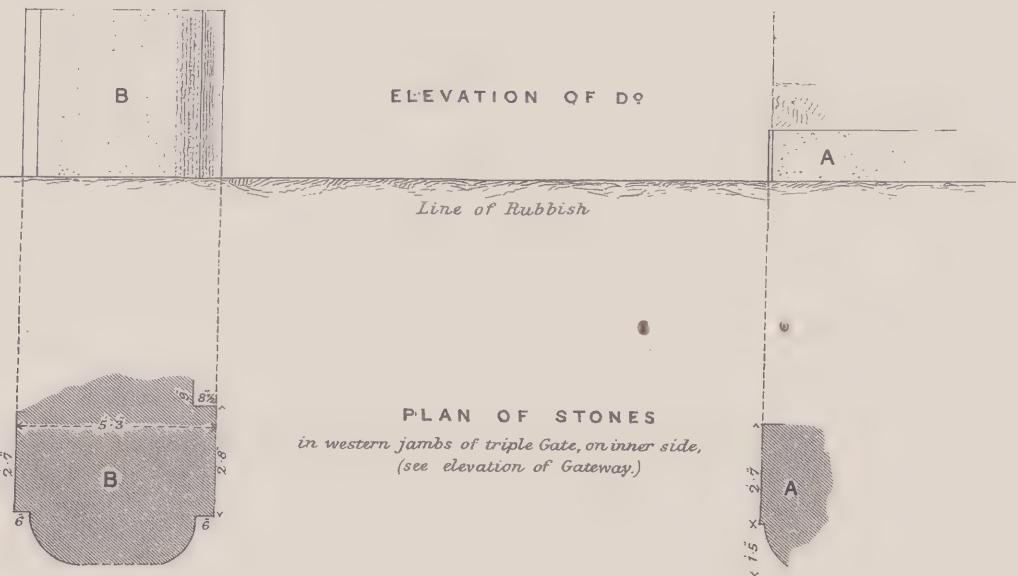
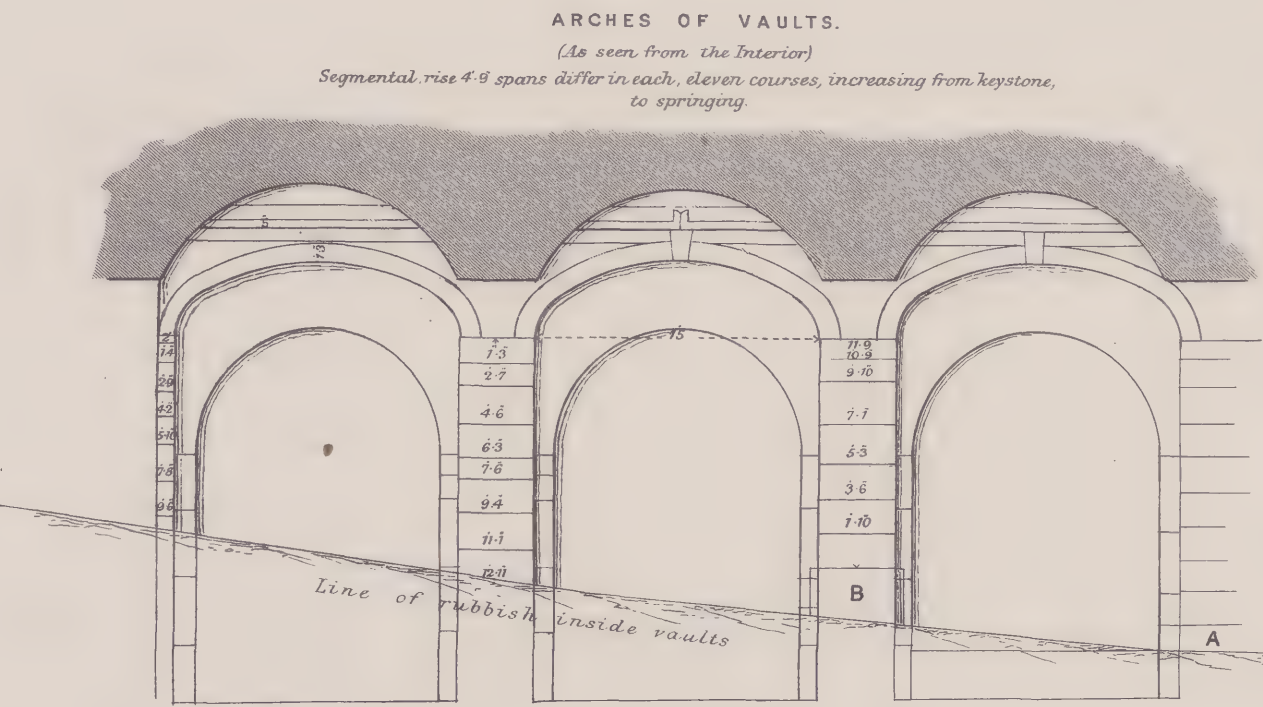
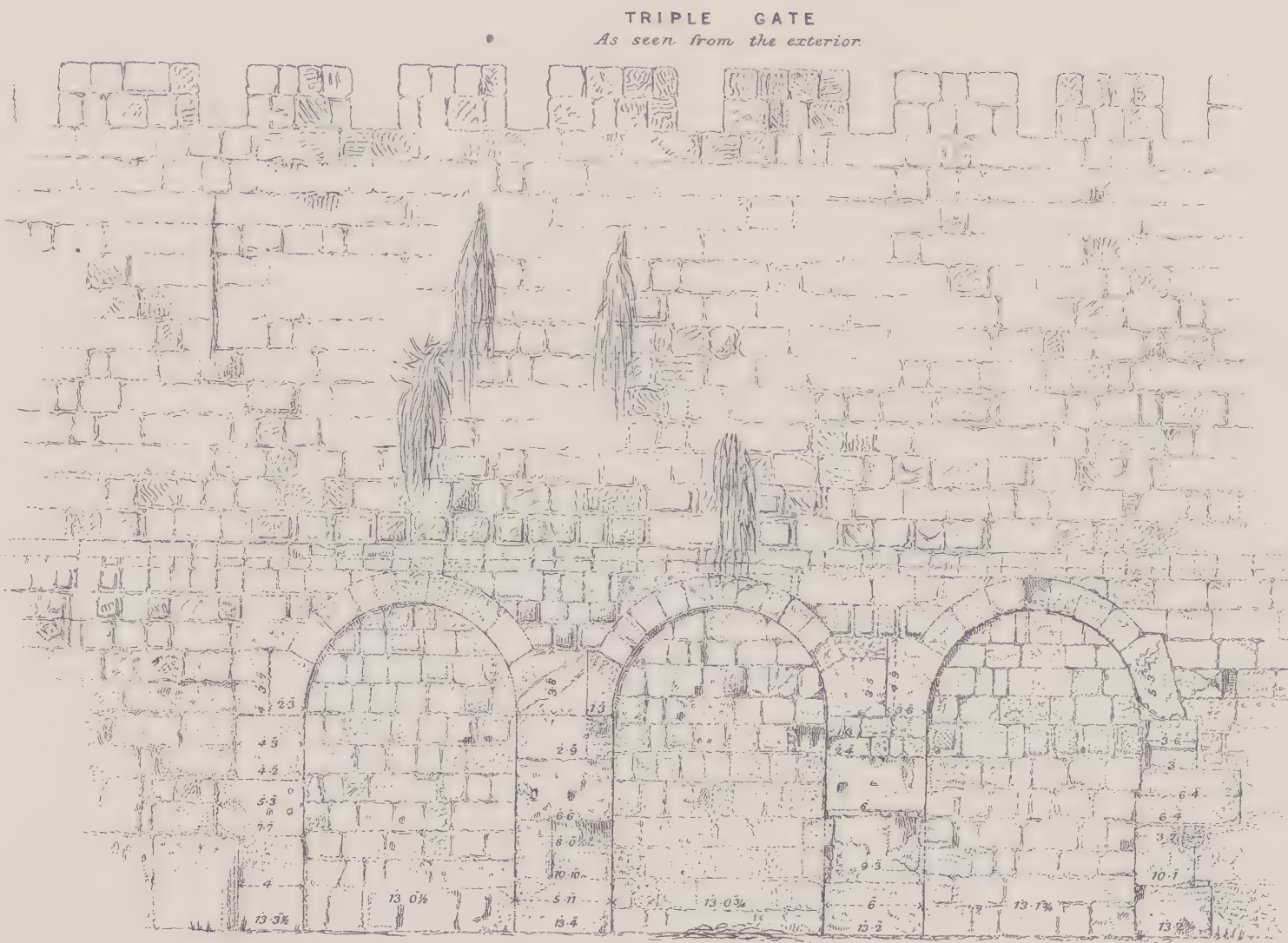






THE TRIPLE GATE.  
AND  
DOUBLE TUNNEL.

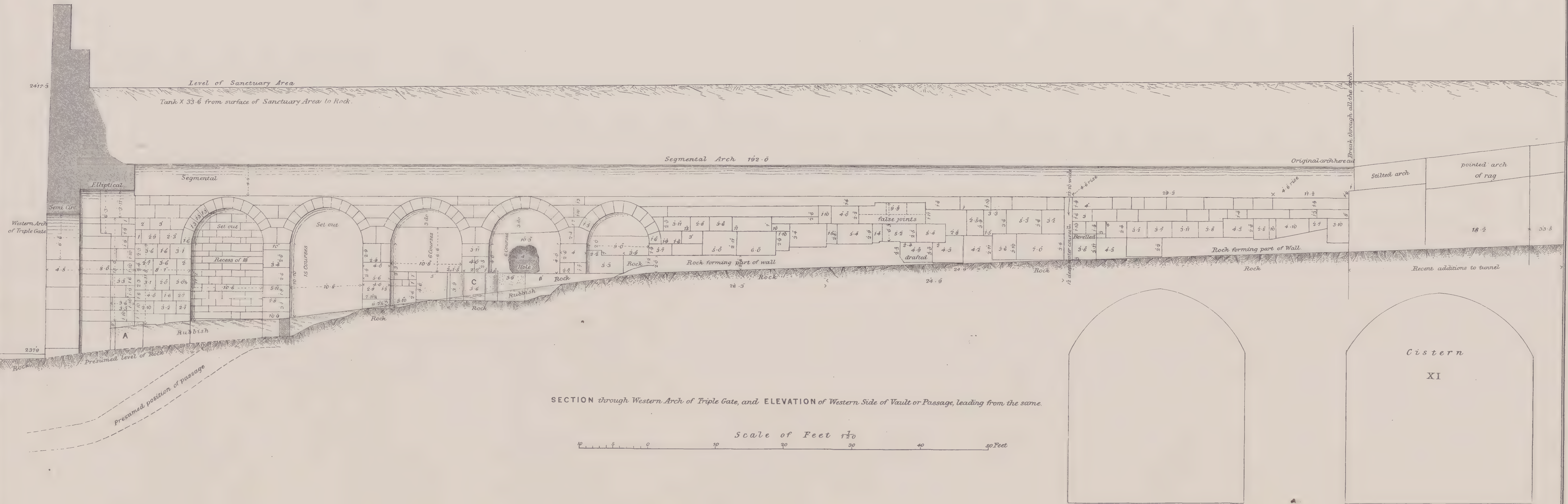
From measurements by  
*Charles Warren*



Sketch of Carved white stone covering  
a hole in the roof of tank x  
four feet in length.



PLAN OF STONES apparently in situ on  
western side of Vaults leading from triple gate (see elevation)

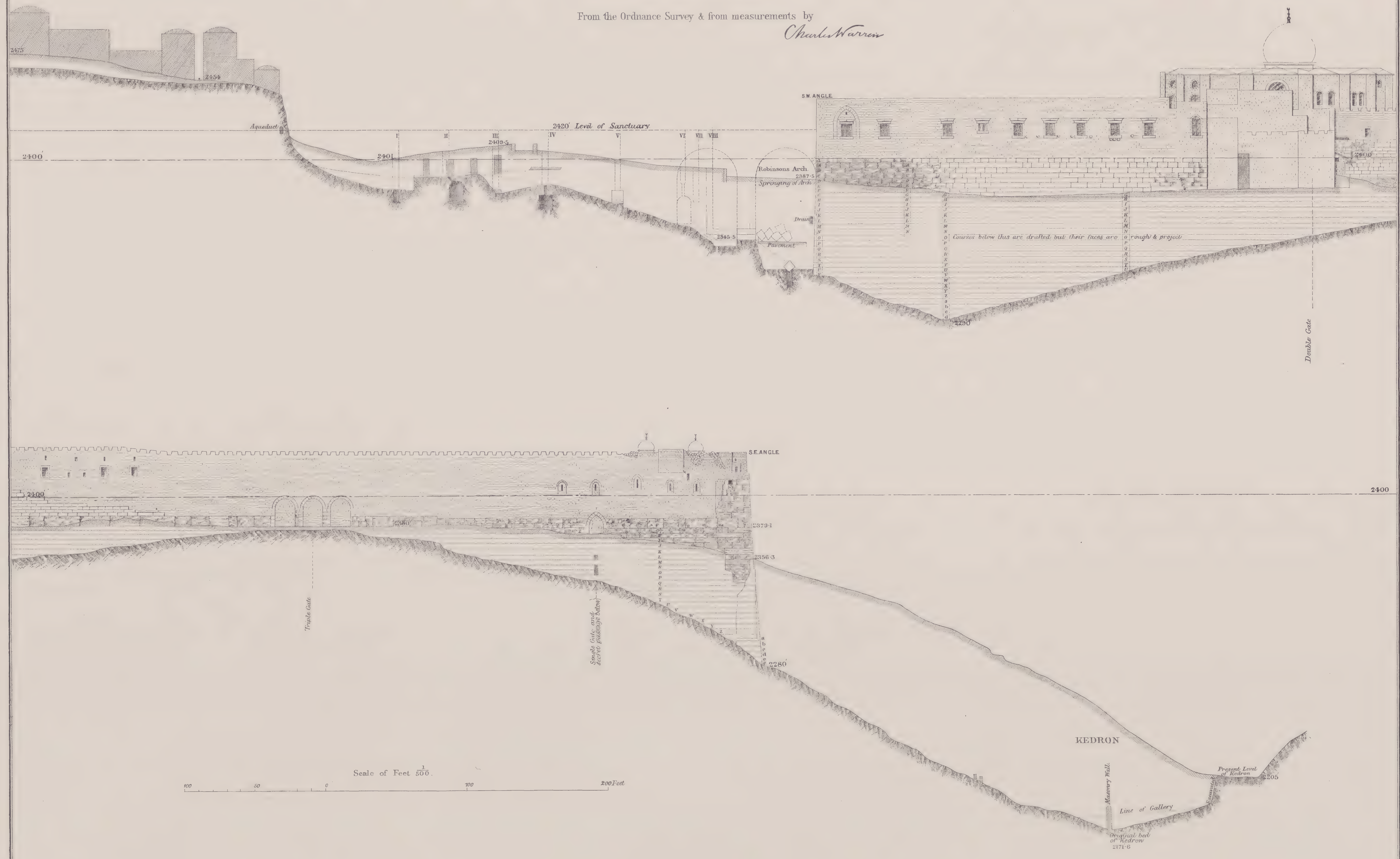




SECTION AND ELEVATION SHEWING SOUTH FRONT OF THE NOBLE SANCTUARY  
FROM THE UPPER CITY TO THE KEDRON VALLEY.

For Details see Plates XX, XXIV, XXV, XXVII, XXIX, & XXXVIII.

From the Ordnance Survey & from measurements by  
*Charles Warren*

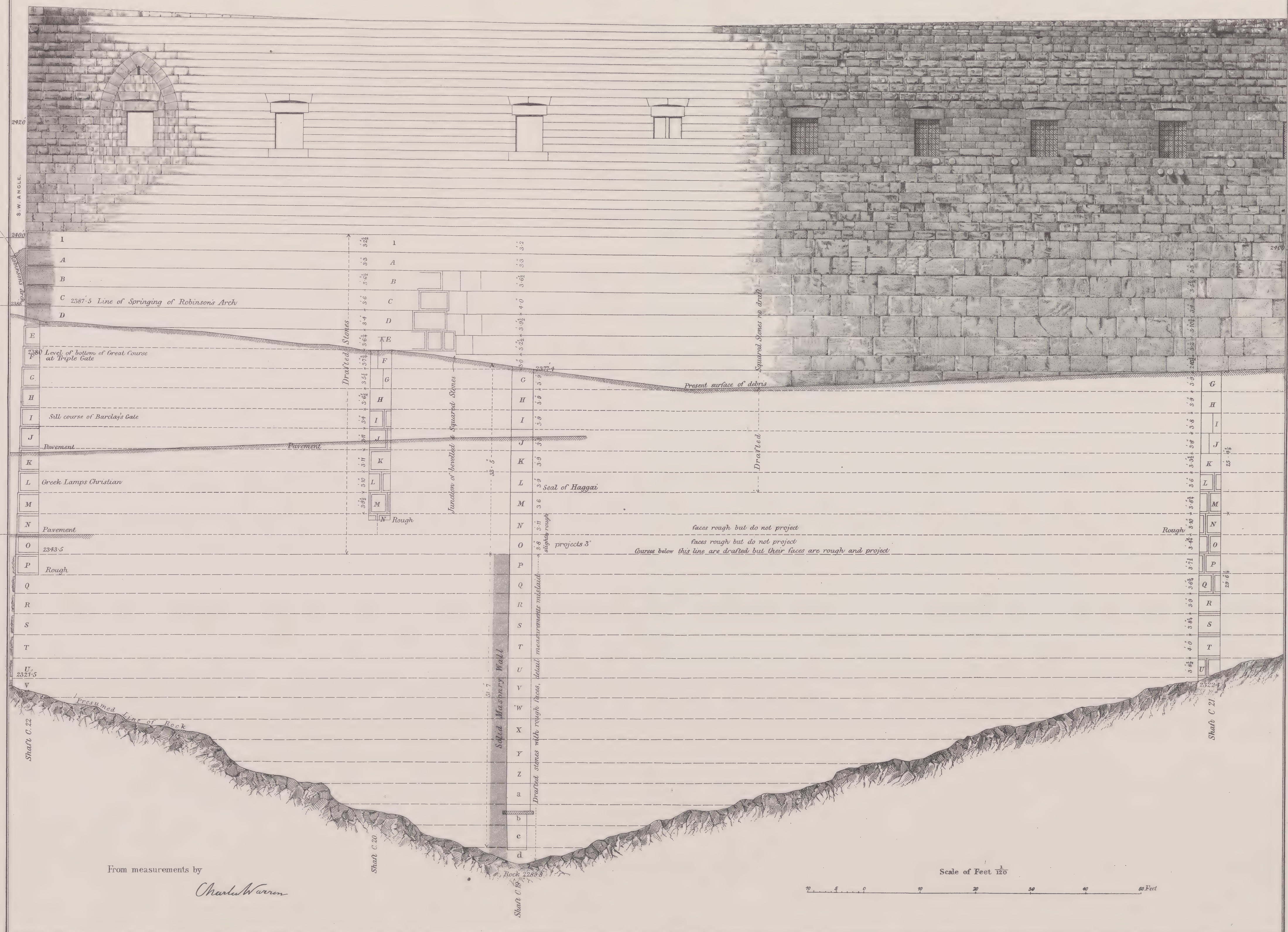




# SOUTH FRONT OF NOBLE SANCTUARY.

AT SOUTH WEST ANGLE.

See Plate XXXVIII.



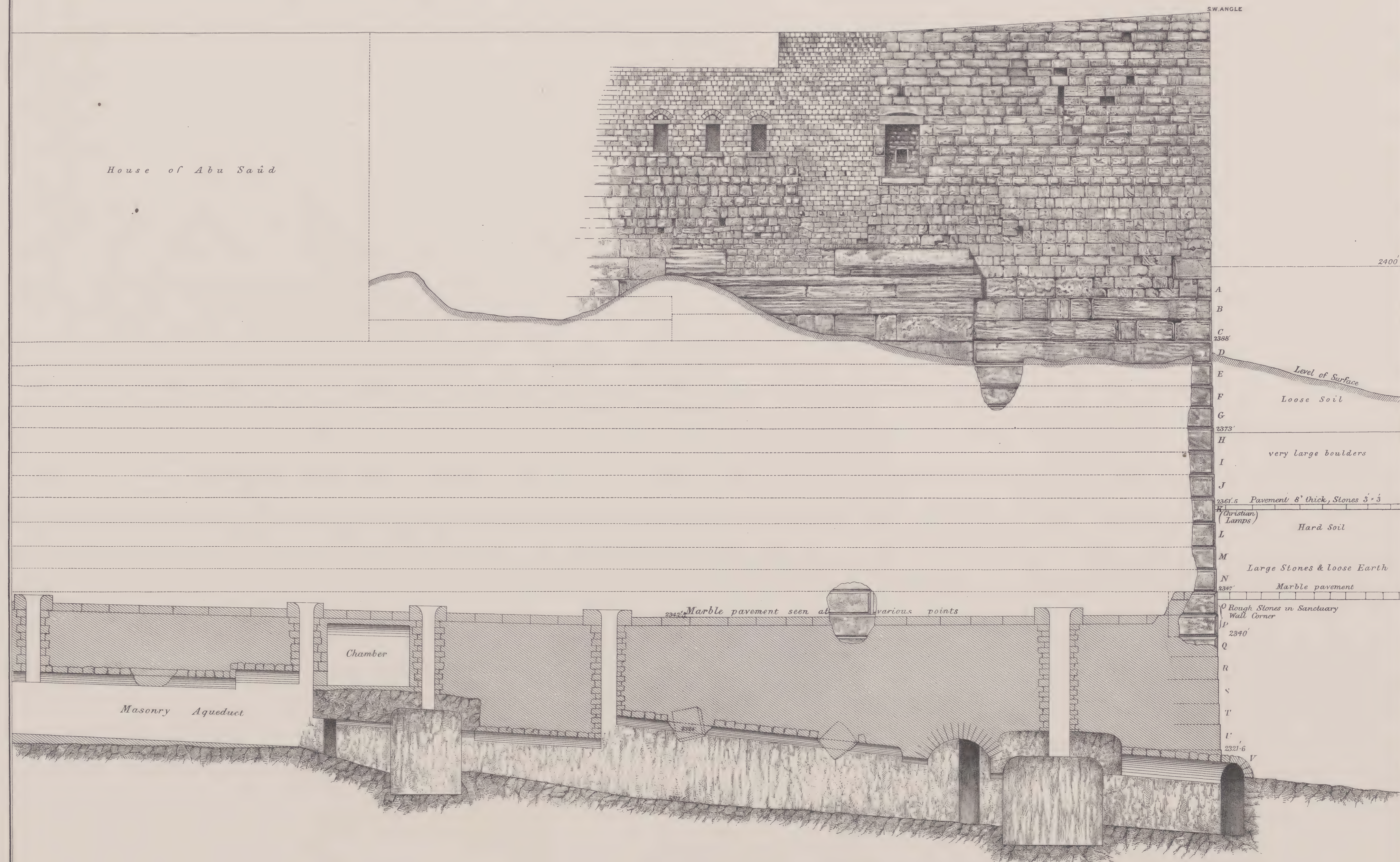


ELEVATION OF ROBINSON'S ARCH AND SOUTH WEST ANGLE  
AND ROCK CUT AQUEDUCT BENEATH.

See Plates XXVII. XXIX. & XXX.

From measurements by

*Charles Warren*

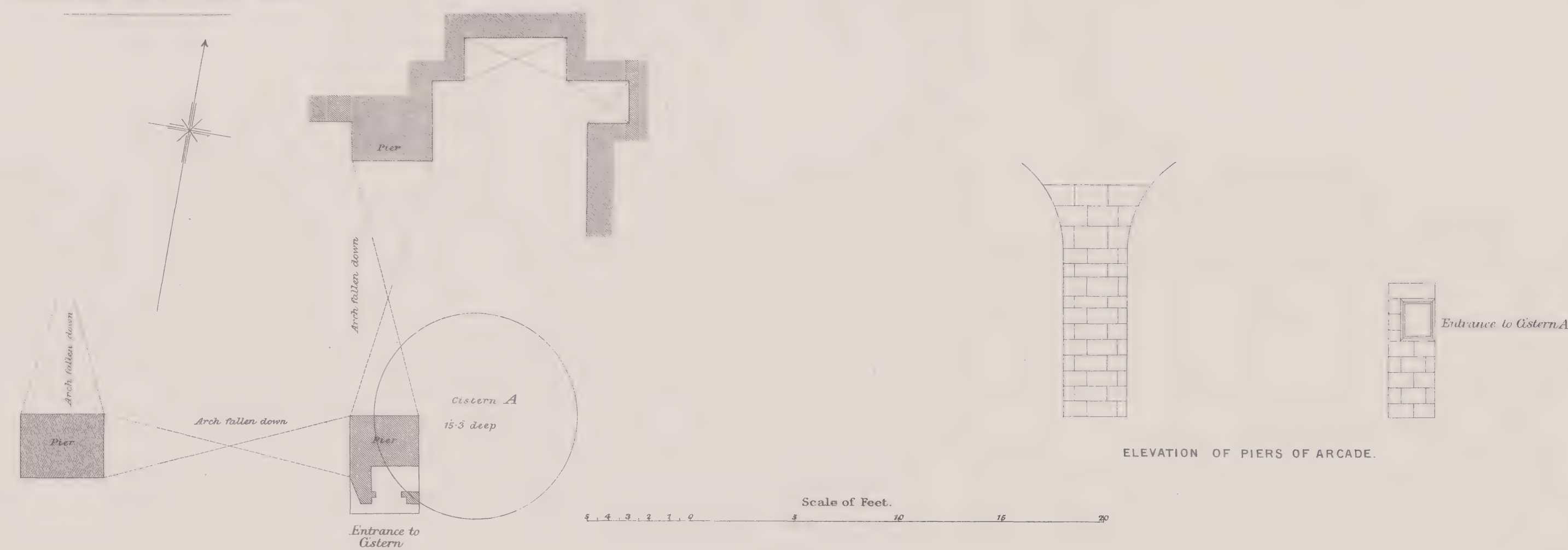


SCALE OF FEET 1/2"



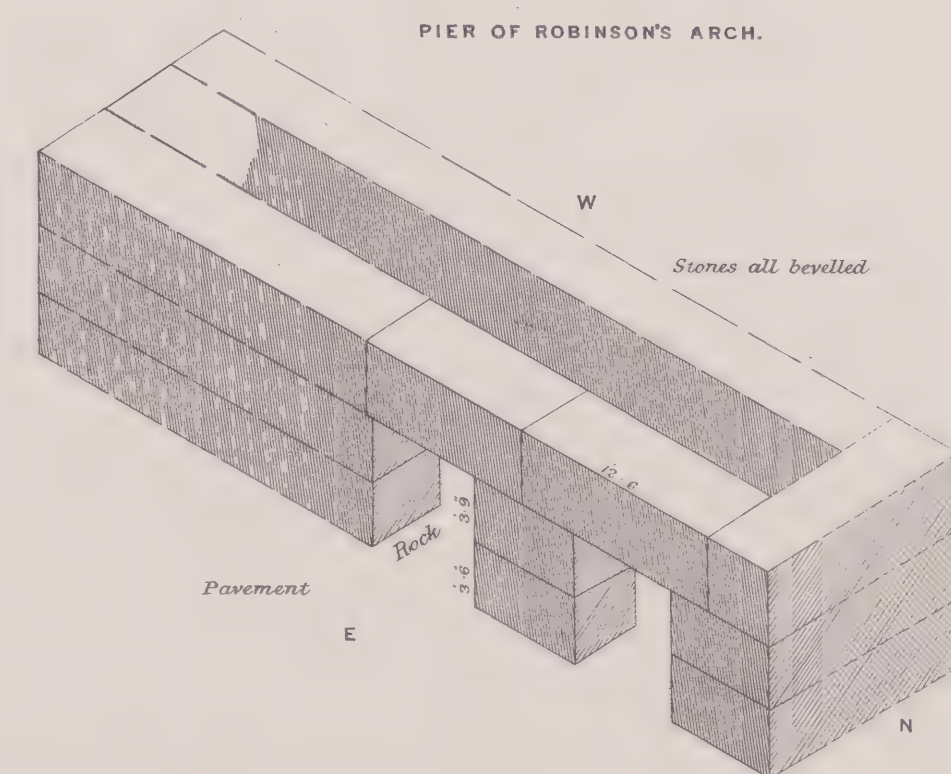
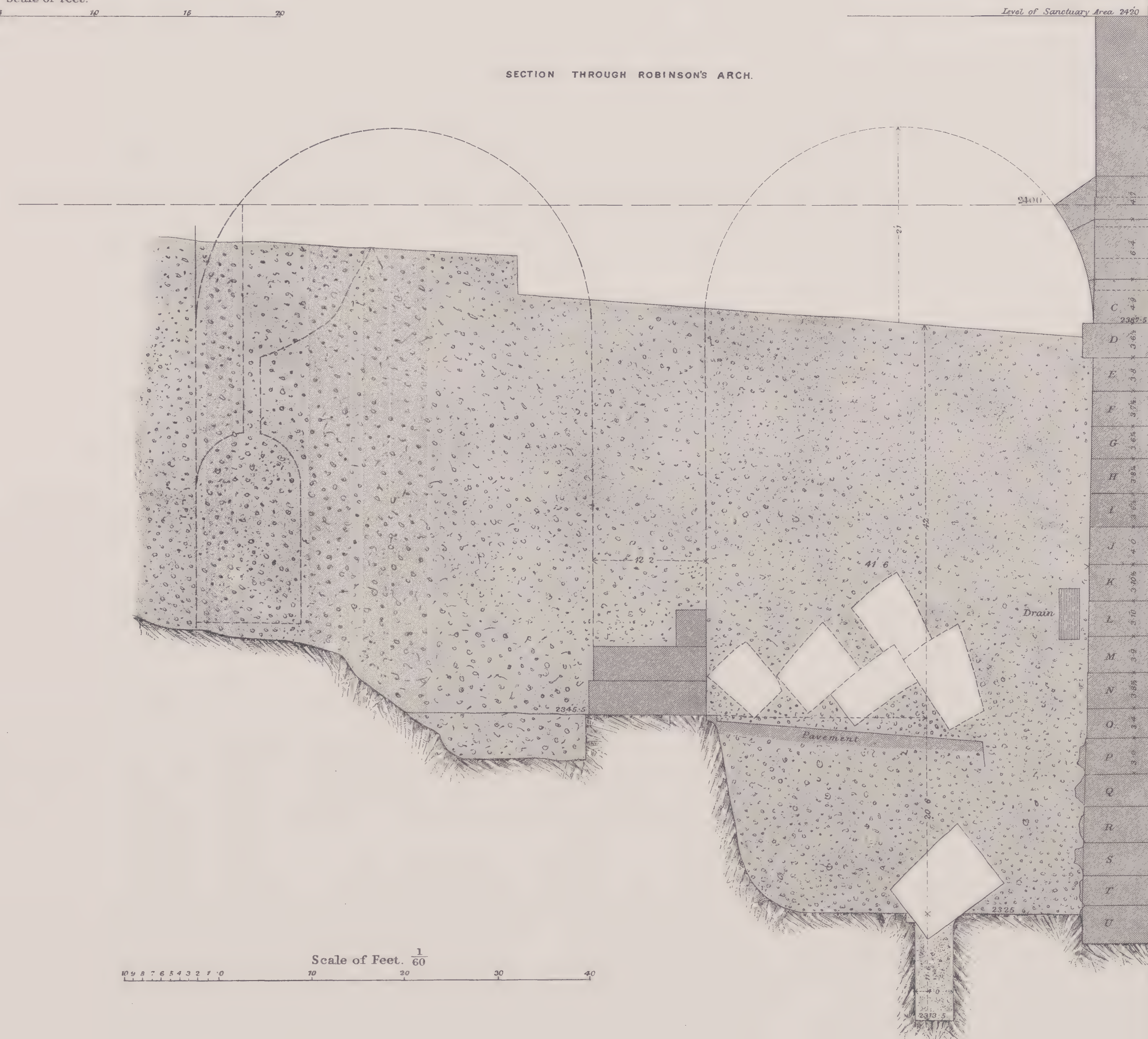
PLAN OF PORTION OF ARCADE EXCAVATION NO. 11,  
TYROPŒON VALLEY PLATE XXVI.

See Plates XXVII. XXVIII. XXX.



ELEVATION OF PIERS OF ARCADE.

SECTION THROUGH ROBINSON'S ARCH.

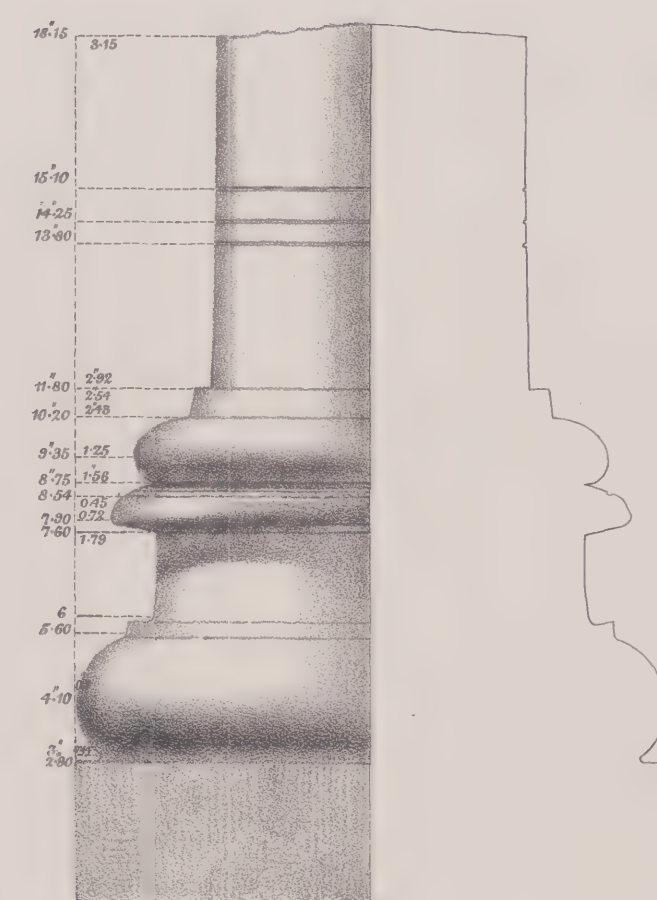
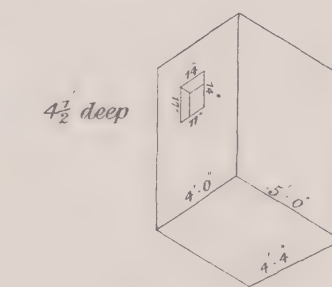
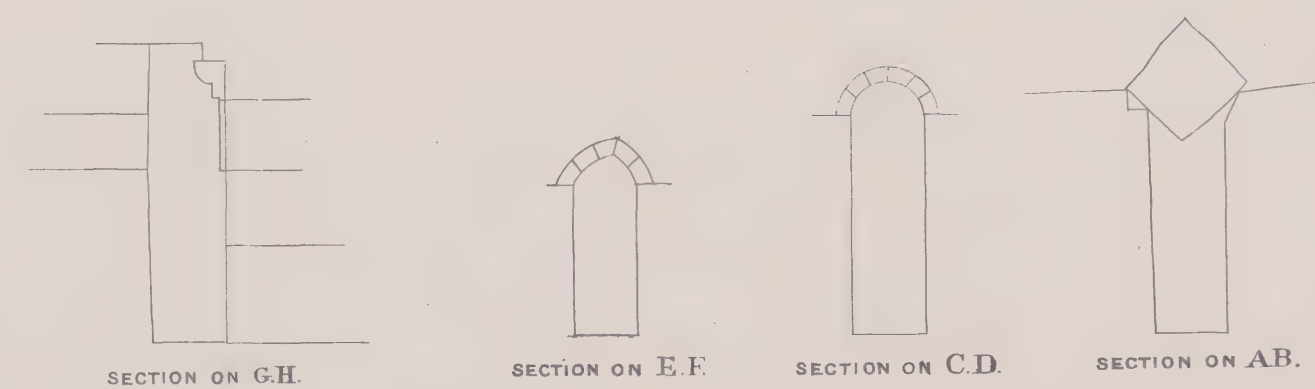
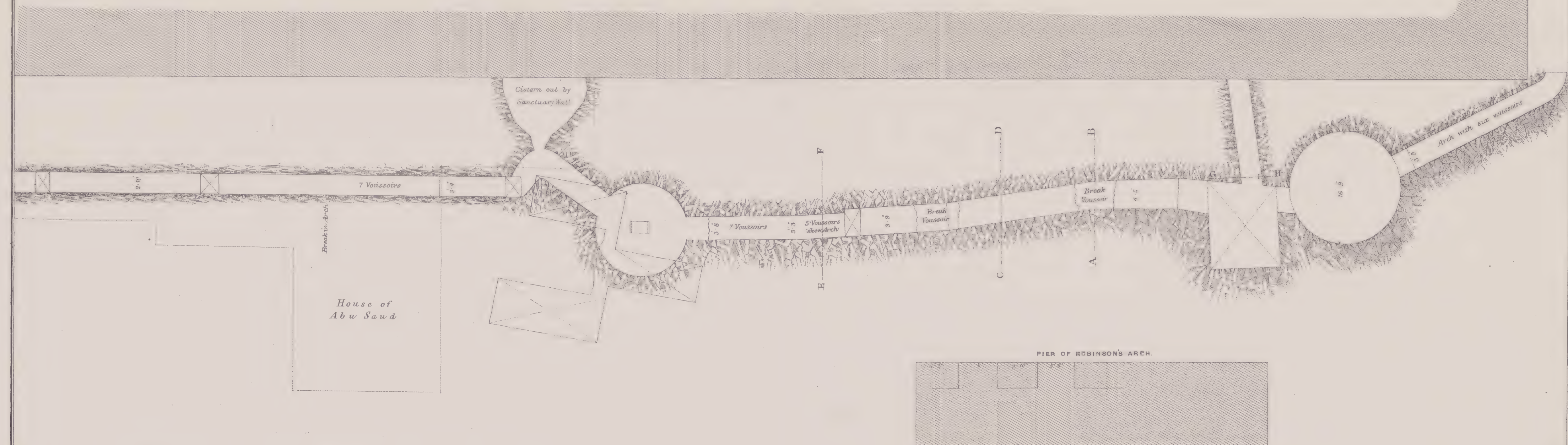


From measurements by  
*Charles Warren*

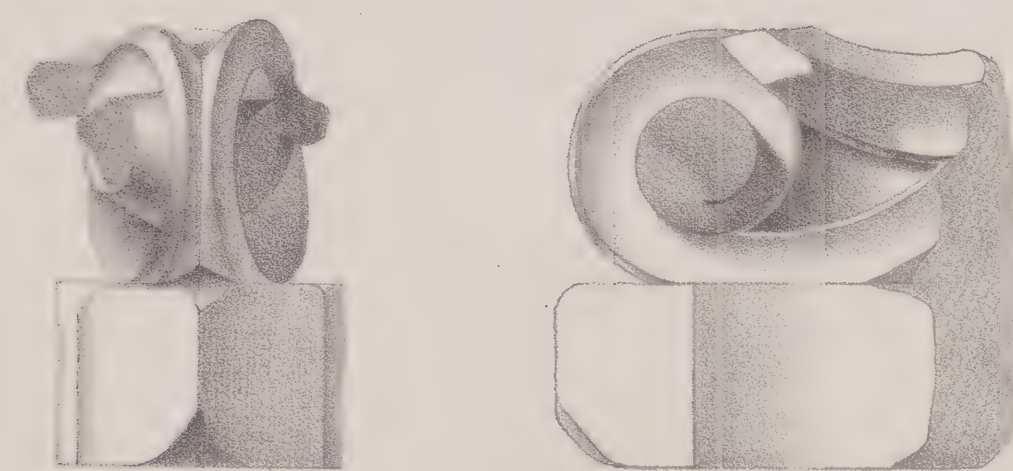


PLAN SHEWING ROCK CUT AQUEDUCT, AND PIER OF ROBINSON'S ARCH,  
AT SOUTH WEST ANGLE NOBLE SANCTUARY.

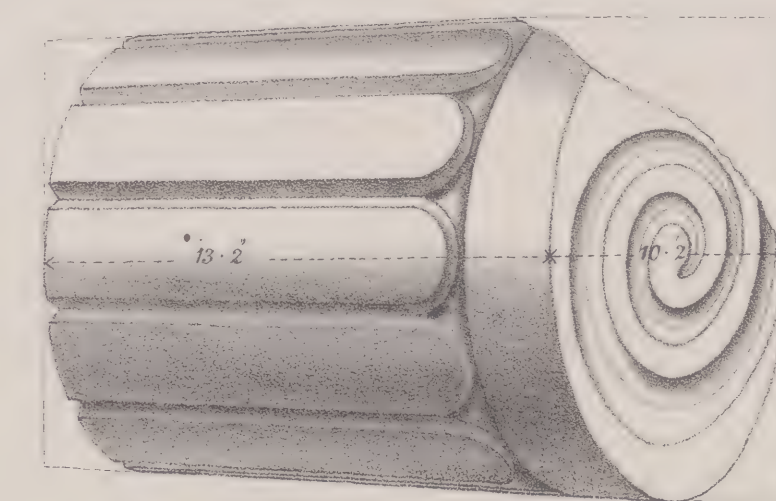
From measurements by  
*Charles Warren*



Shaft and Base of a Column found on the 16<sup>th</sup> Dec<sup>r</sup> 1868 in a Rock cut passage about eighty feet north of Robinson's Arch about 75 feet below present surface of ground. The Stone out of which it is cut is soft and close grained and in good preservation Scale one fourth size



Portion of Corinthian Capital of fine white Marble, found 16<sup>th</sup> Dec<sup>r</sup> 1868 at Shaft G. 55. on road leading from Buz al Kibrat, and about 400 feet from the Pool of Siloam Scale 1/2 size



Volute of an Ionic column found in a Cistern near Wilson's Arch Scale one fourth size



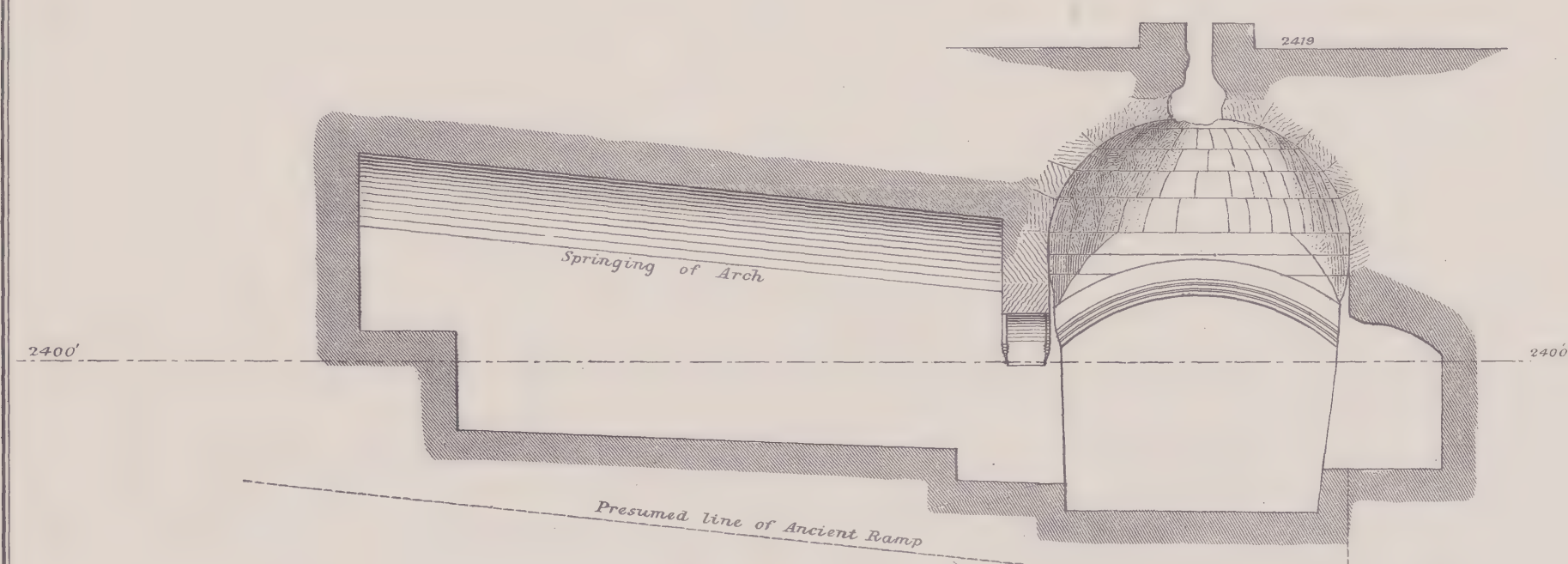
# PLAN & SECTIONS OF ANCIENT PASSAGE

LEADING TO NOBLE SANCTUARY FROM  
BARCLAY'S GATE.

From measurements by

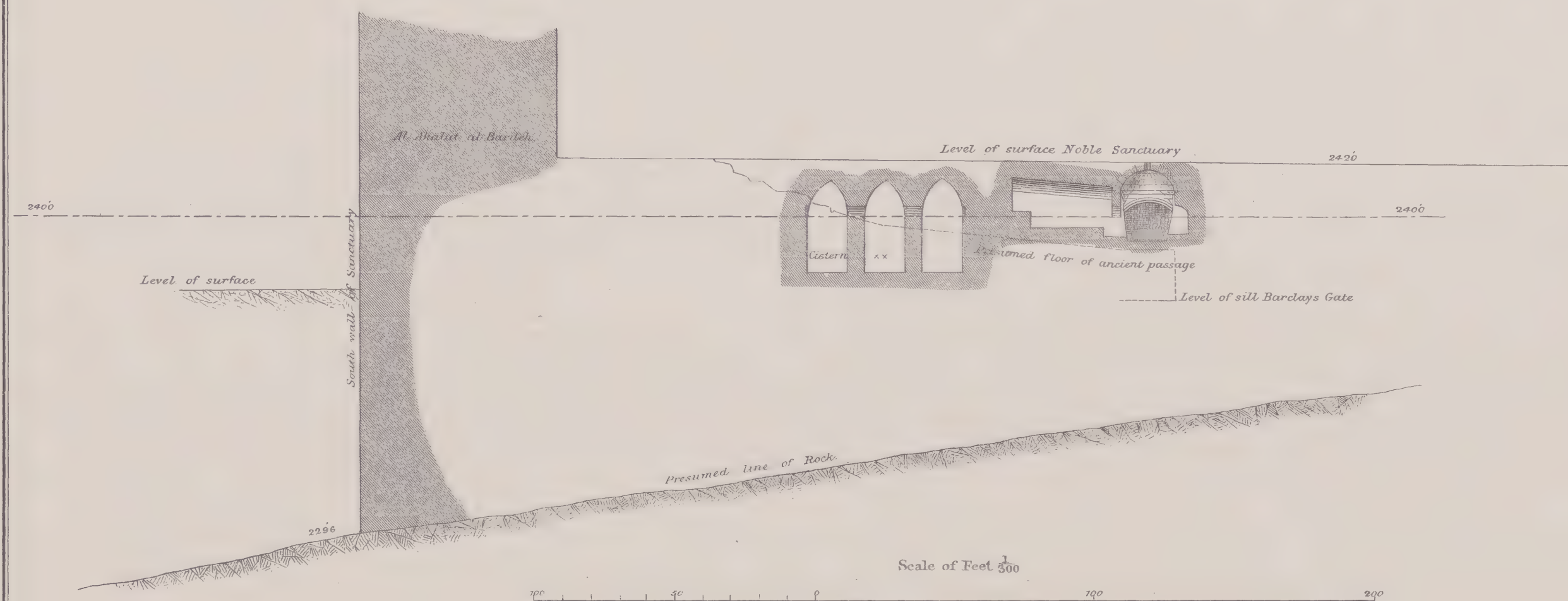
*Charles Warren*

See Plates X & XXXII.

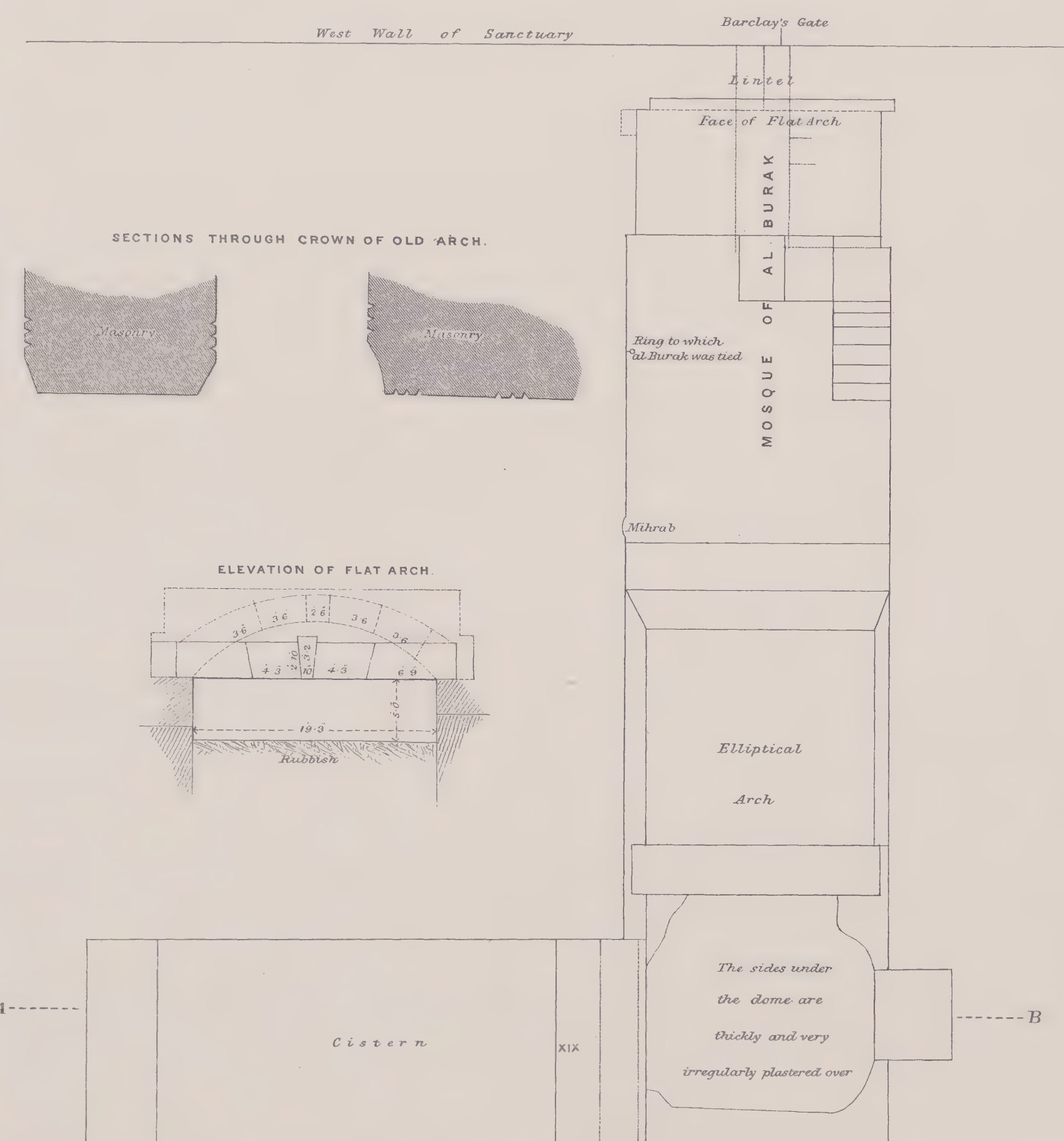


SECTION ON A.B.

SECTION PARALLEL TO THE SANCTUARY WALL, THROUGH CISTERN XIX & XX.  
Showing the remains of an ancient passage



Scale of Feet 1/200



SECTION THROUGH CROWN OF OLD ARCH.

ELEVATION OF FLAT ARCH.

Cistern

Scale 1/200



See Plates X & XXXI.

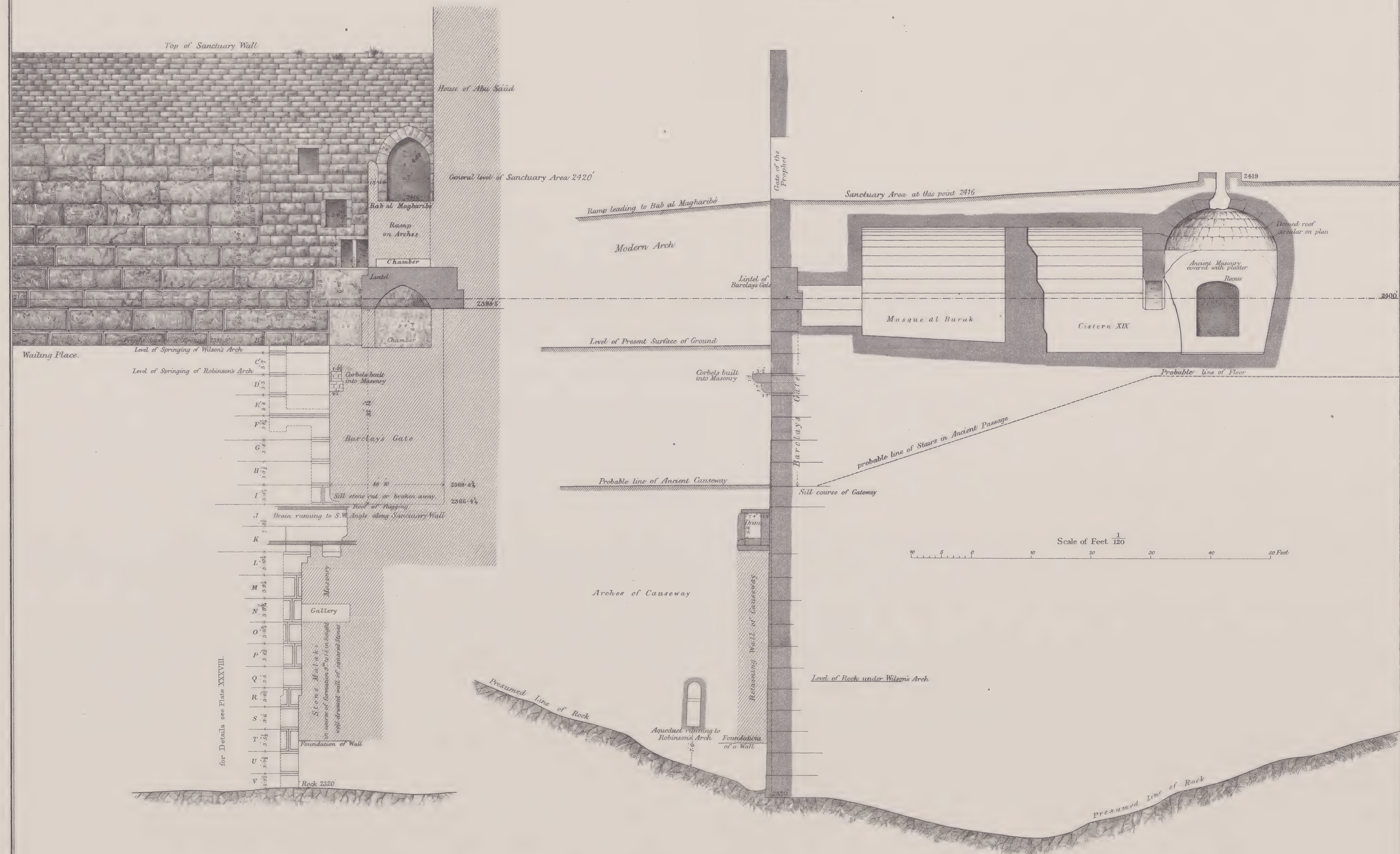
# ELEVATION AND SECTION OF SANCTUARY WALL,

AT BARCLAY'S GATE OR BAB AL MAGHARIBÉ,

SHEWING A PORTION OF THE WAILING PLACE.

From measurements by

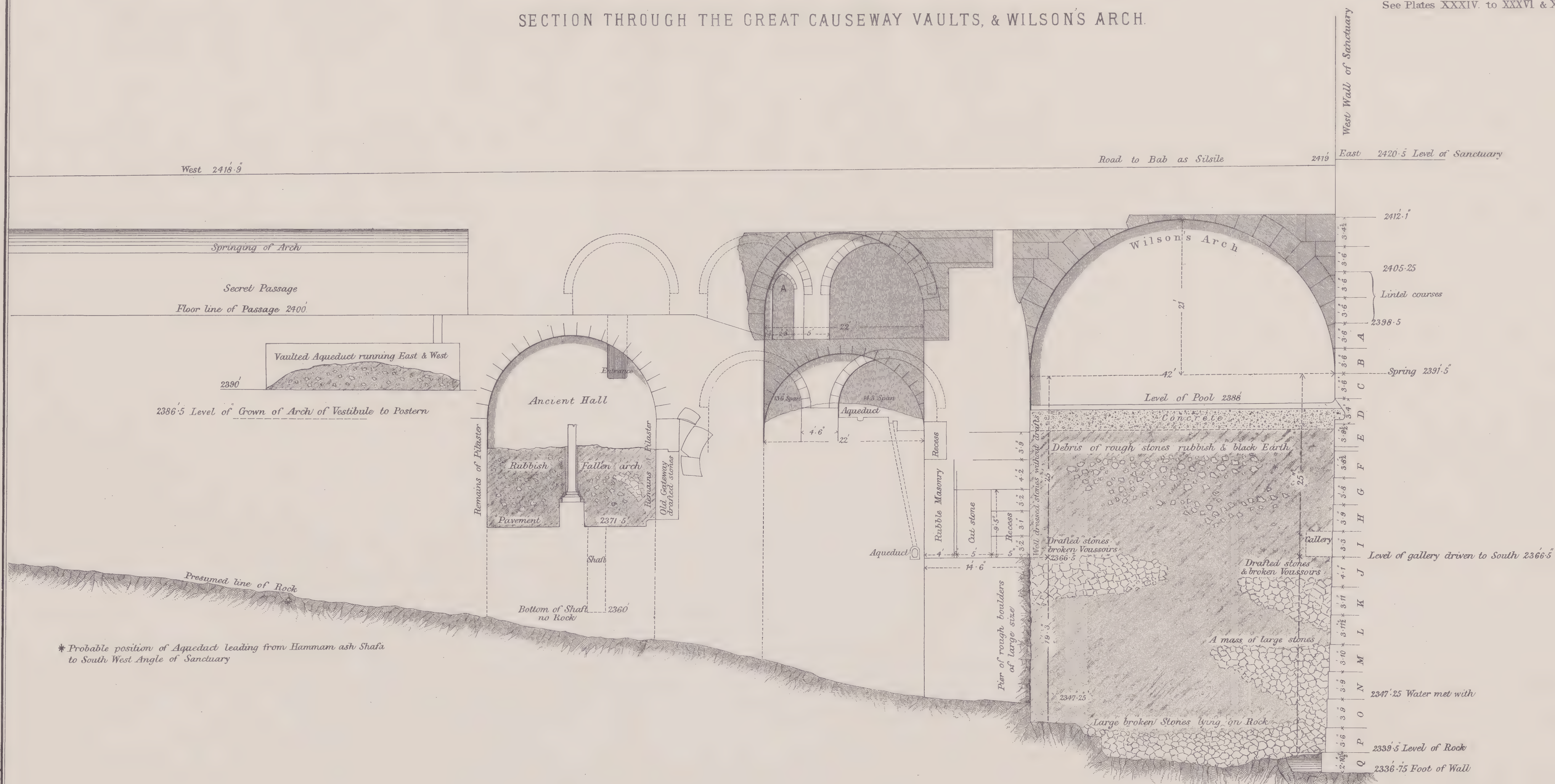
*Charles Warren*





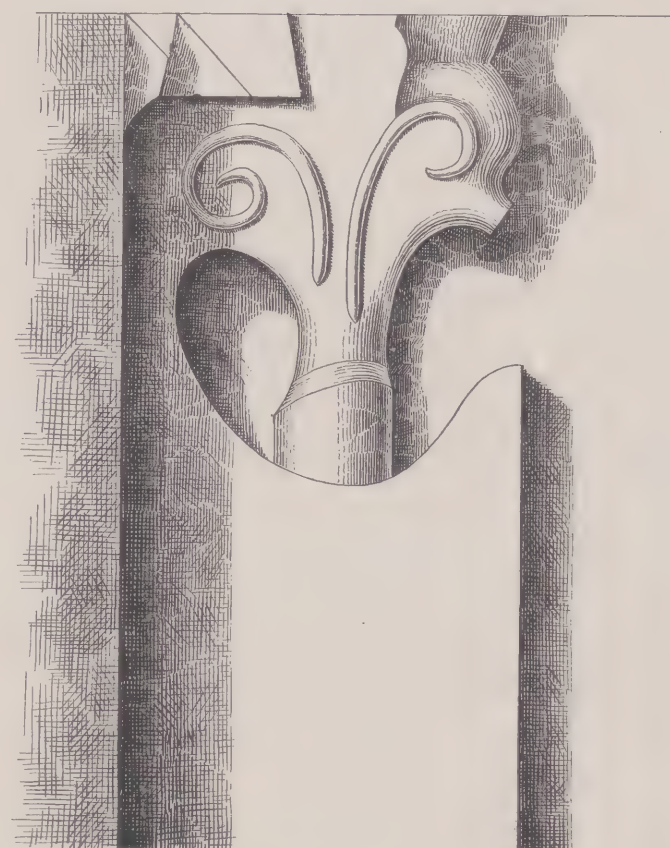
SECTION THROUGH THE GREAT CAUSEWAY VAULTS, & WILSON'S ARCH.

See Plates XXXIV. to XXXVI & XXXVIII.



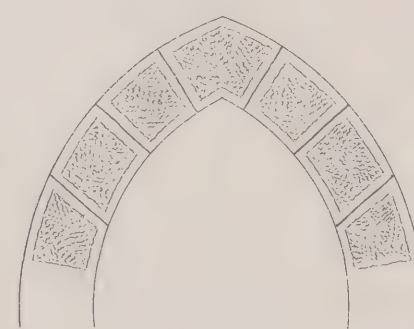
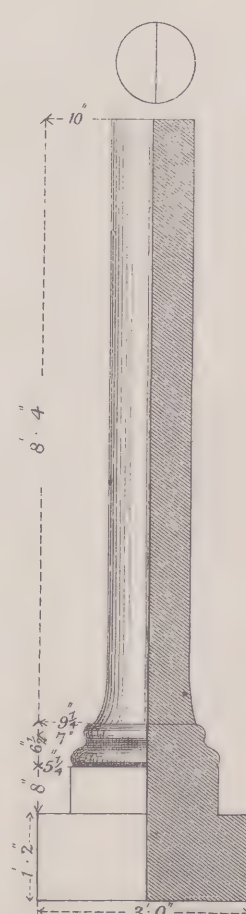
\* Probable position of Aqueduct leading from Hammam ash Shafit to South West Angle of Sanctuary

Scale  $\frac{1}{4}$ .



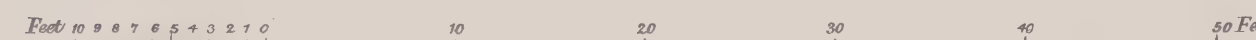
CAPITAL OF PILASTER IN CORNER OF ANCIENT HALL.

Scale  $\frac{1}{32}$ .



ARCH AT A.

Scale of Feet.



From measurements by

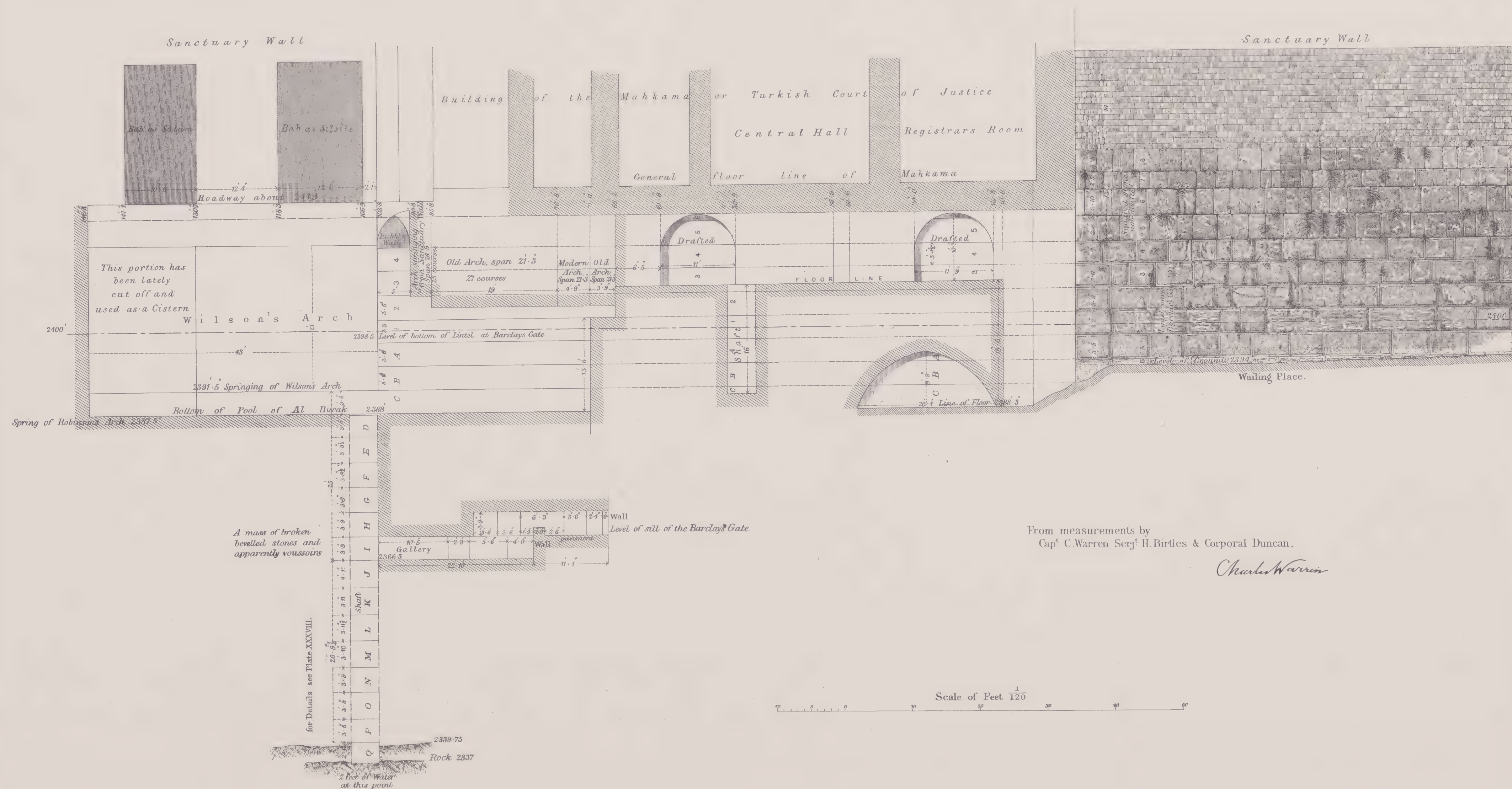
Charles Warren



See Plates XXXIII. to XXXVI. & XXXVIII.

# SECTION AND ELEVATION OF VAULTS OF THE GREAT CAUSEWAY,

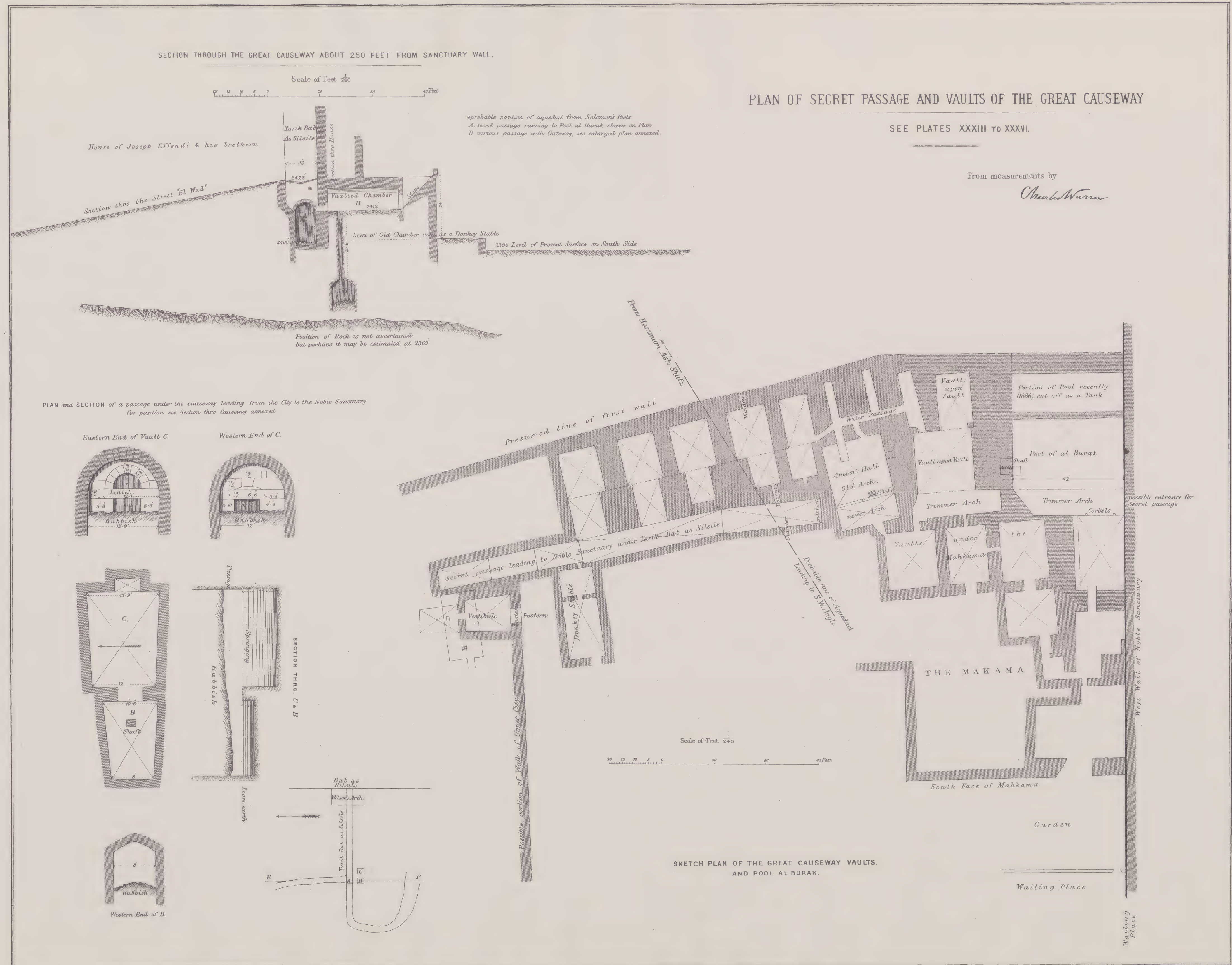
AT THE WEST SANCTUARY WALL NEAR THE MAHKAMA.



From measurements by  
Capt. C. Warren, Sergt. H. Birtles & Corporal Duncan.

Charles Warren



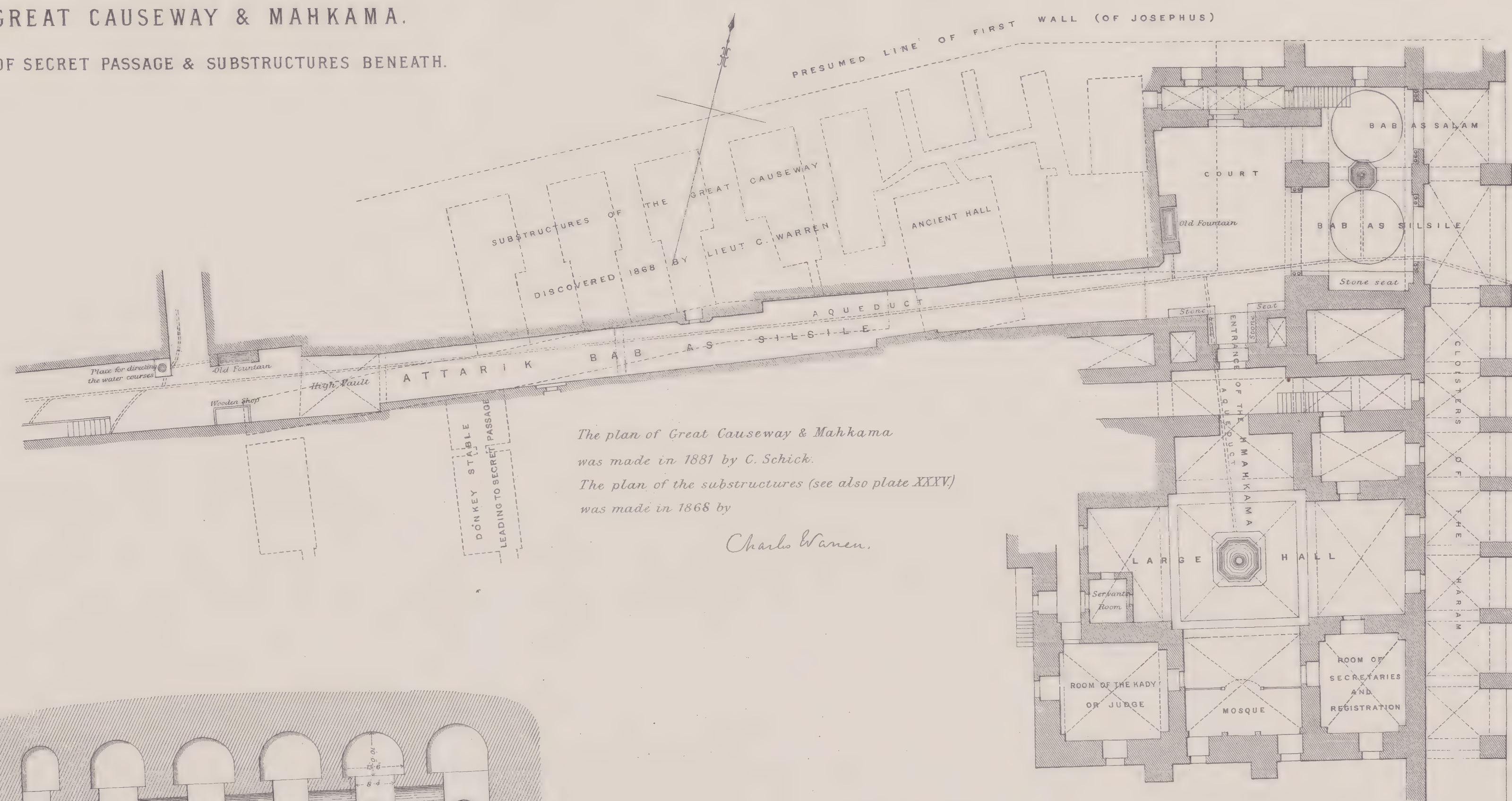




See Plates XXXIII & XXXV.

# PLAN OF GREAT CAUSEWAY & MAHKAMA.

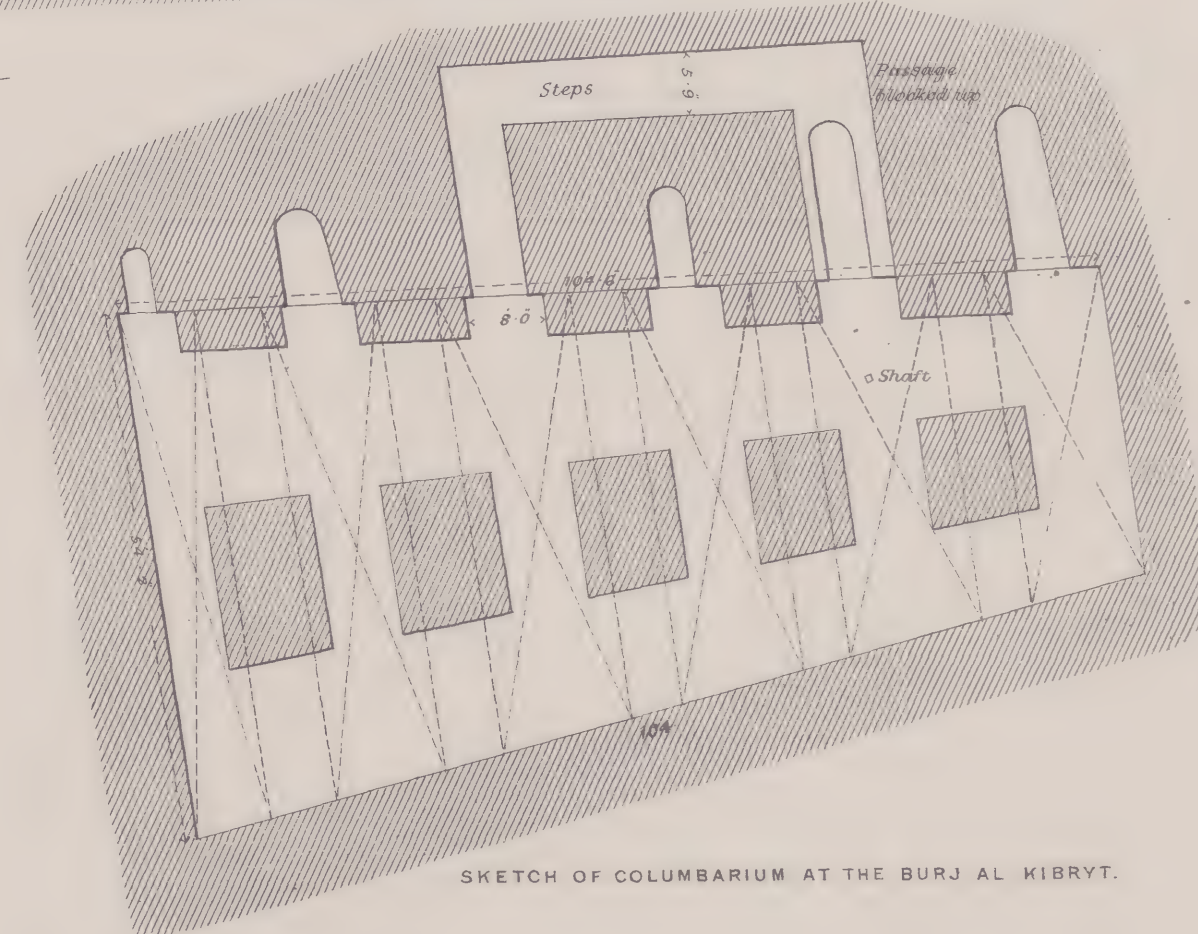
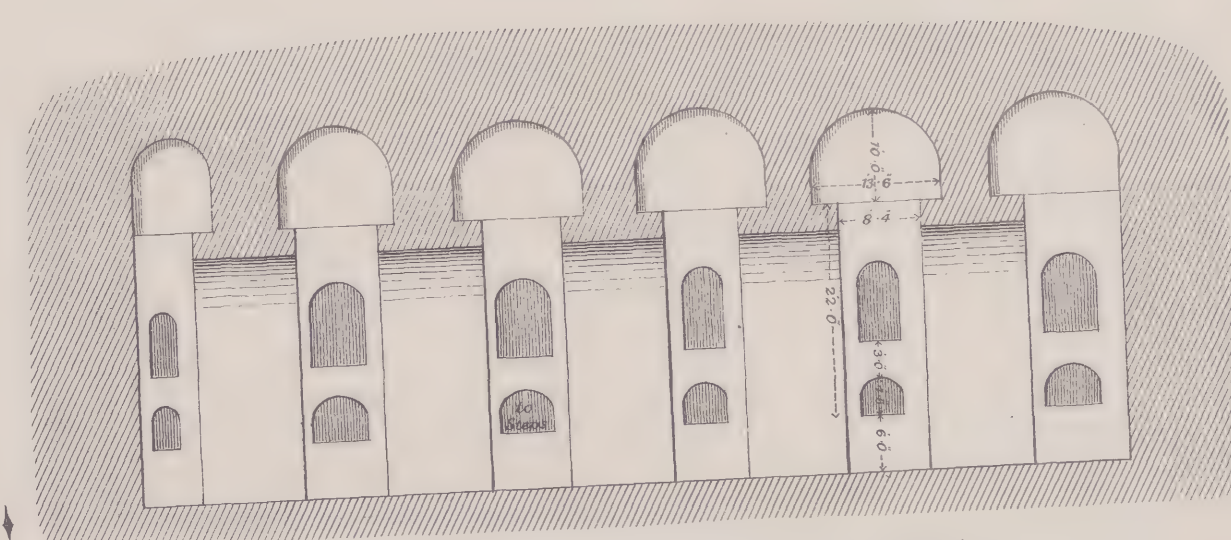
SHewing POSITION OF SECRET PASSAGE & SUBSTRUCTURES BENEATH.



The plan of Great Causeway & Mahkama was made in 1881 by C. Schick.  
The plan of the substructures (see also plate XXXV) was made in 1868 by

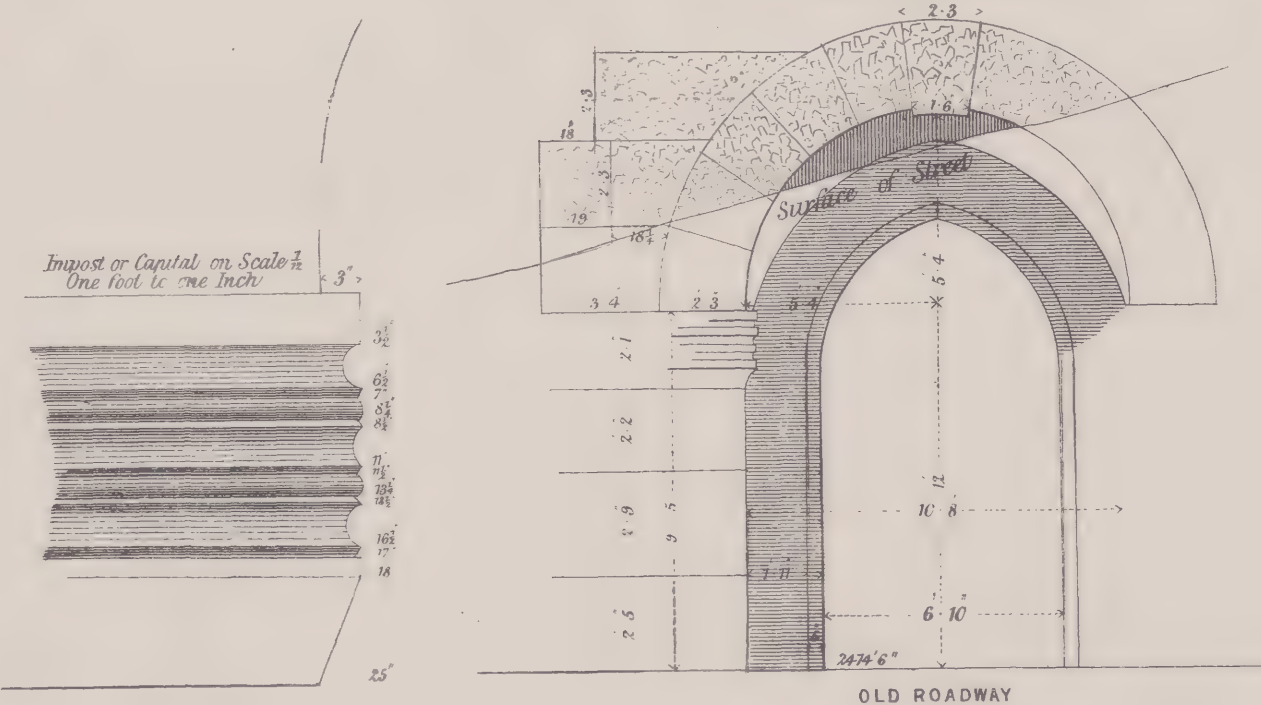
Charles Warren.

Scale of Feet 240.



## GATE OF GENNATH (so called).

Scale 1/2 five feet to one inch

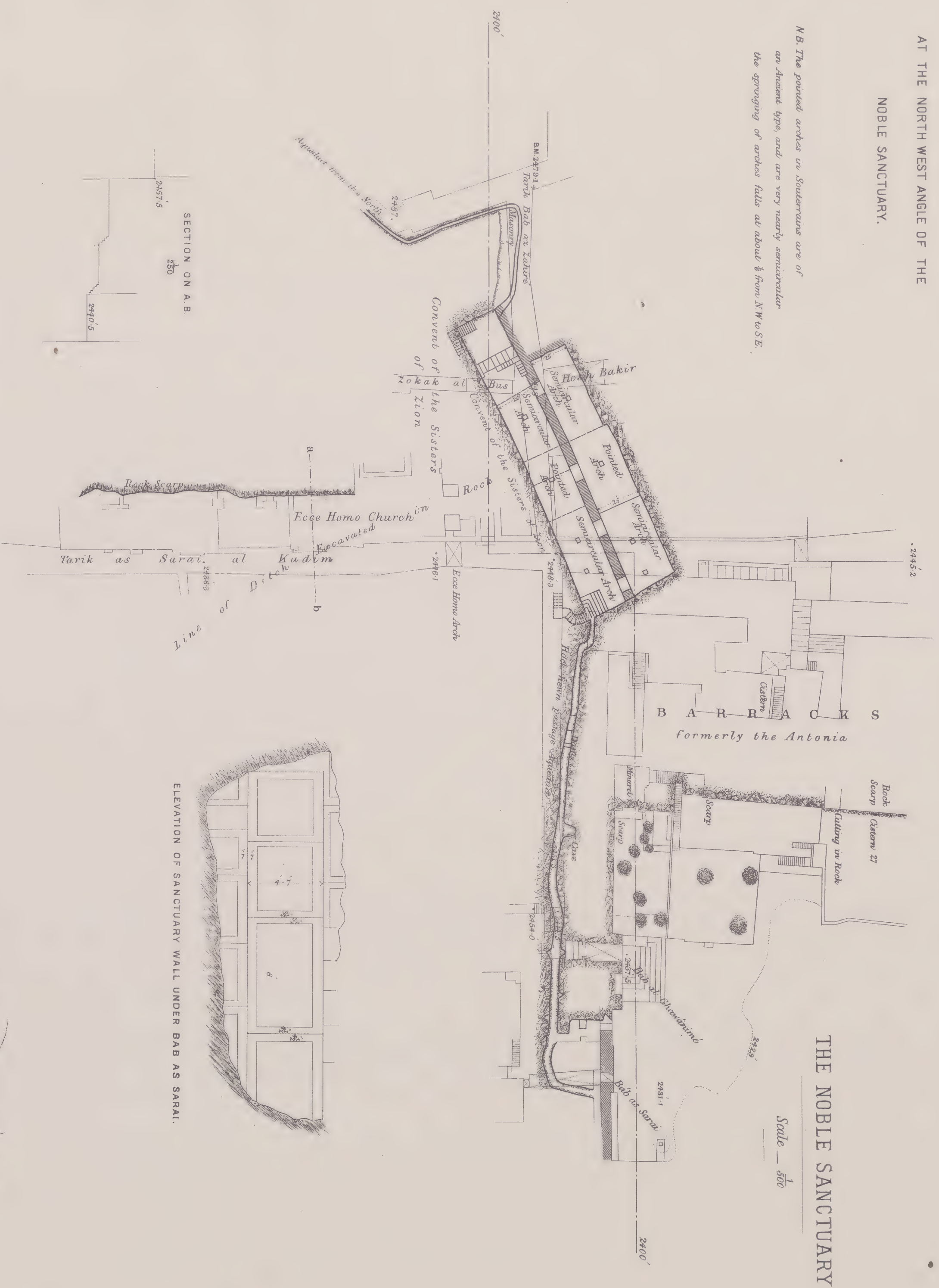




## THE TWIN TUNNEL

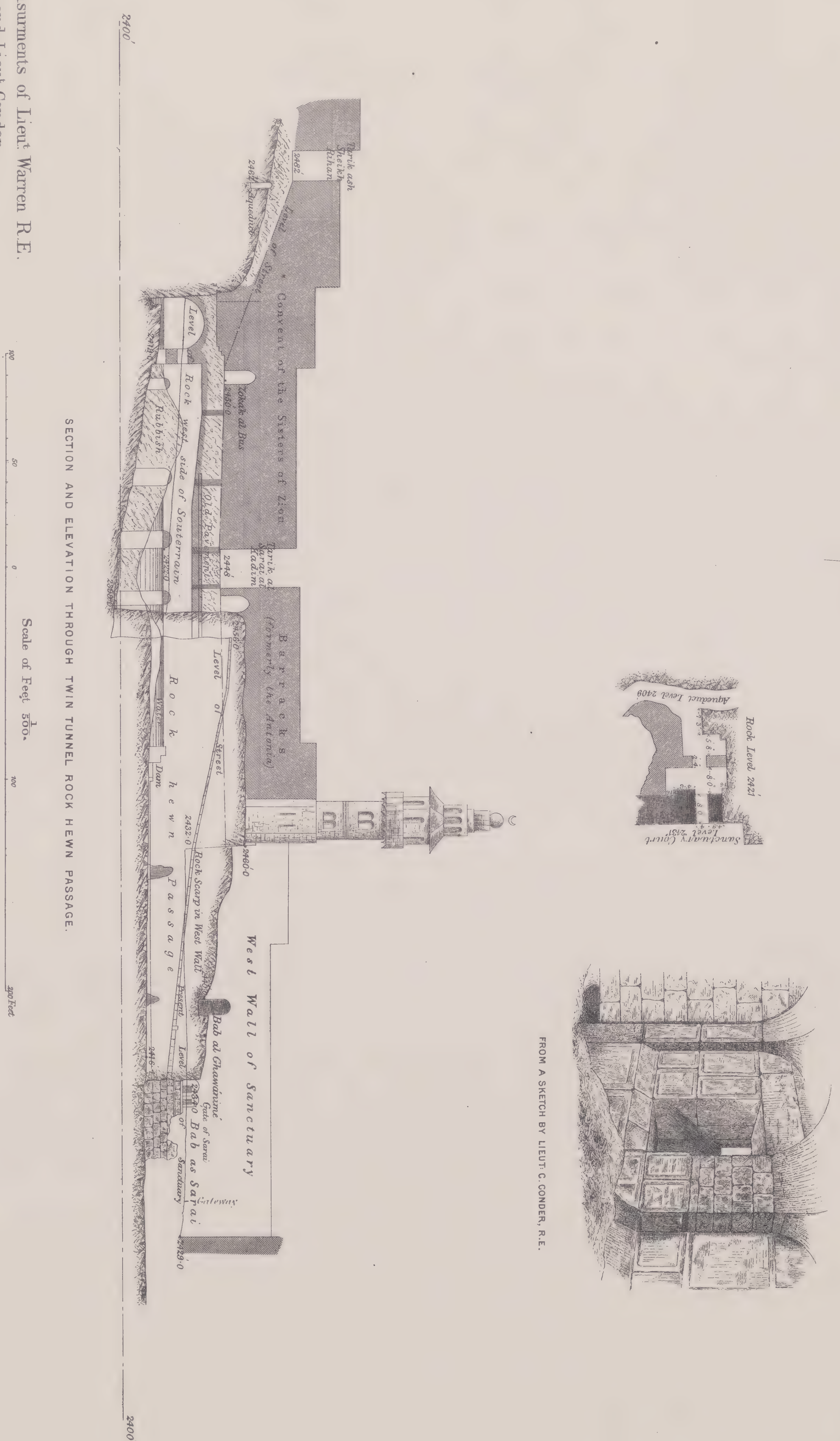
AT THE NORTH WEST ANGLE OF THE  
NOBLE SANCTUARY.

N.B. The pointed arches in *Southern* are of an Ancient type, and are very nearly semicircular the springing of arches falls at about  $\frac{1}{8}$  from NW to SE.



ELEVATION OF SANCTUARY WALL UNDER BAB AS SARAI.

FROM A SKETCH BY LIEUT: C. CONDER, R.E.

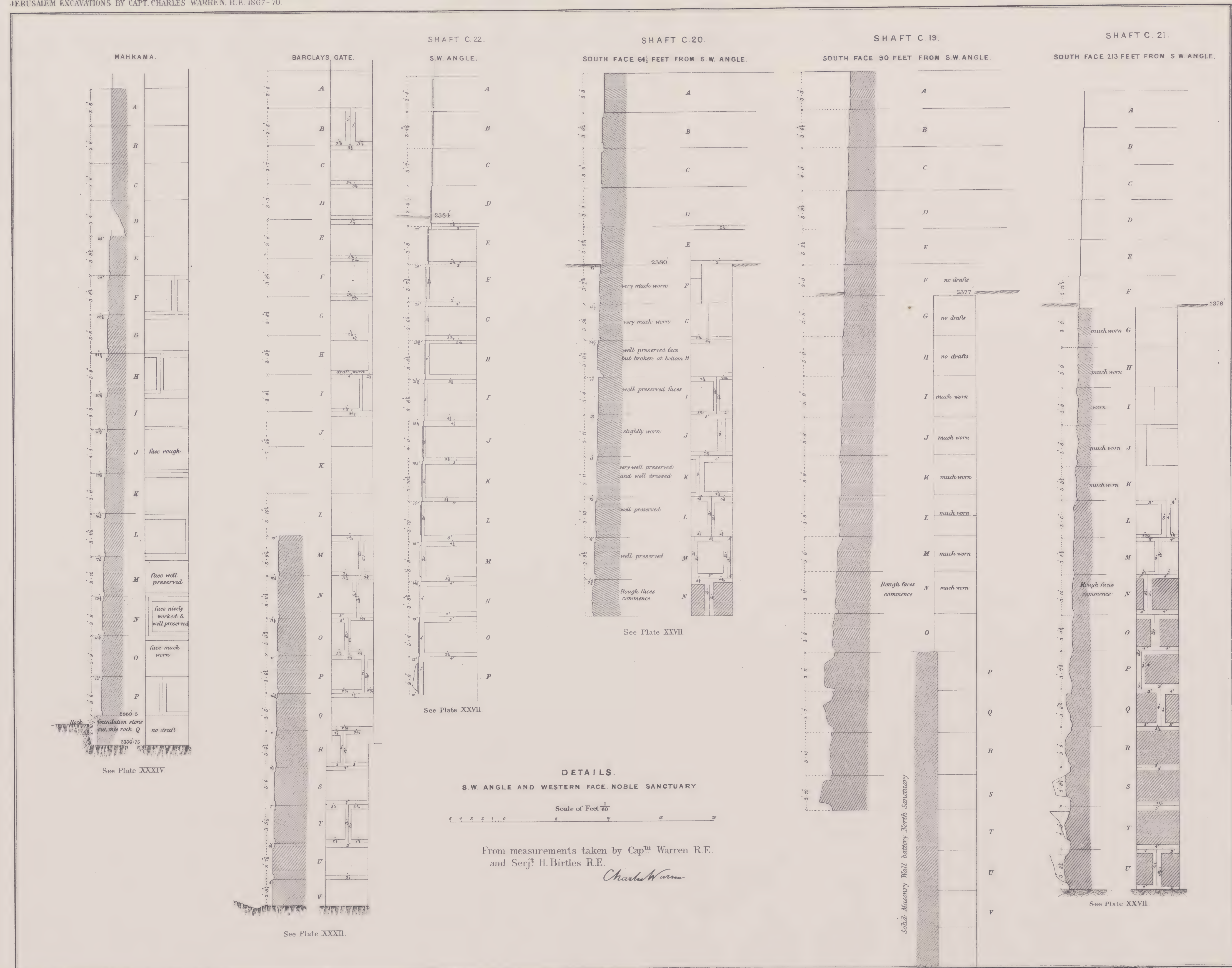


SECTION AND ELEVATION THROUGH TWIN TUNNEL ROCK HEWN PASSAGE

From the measurements of Lieut. Warren R.E.  
Herr Schick and Lieut. Conder

Charles Warren

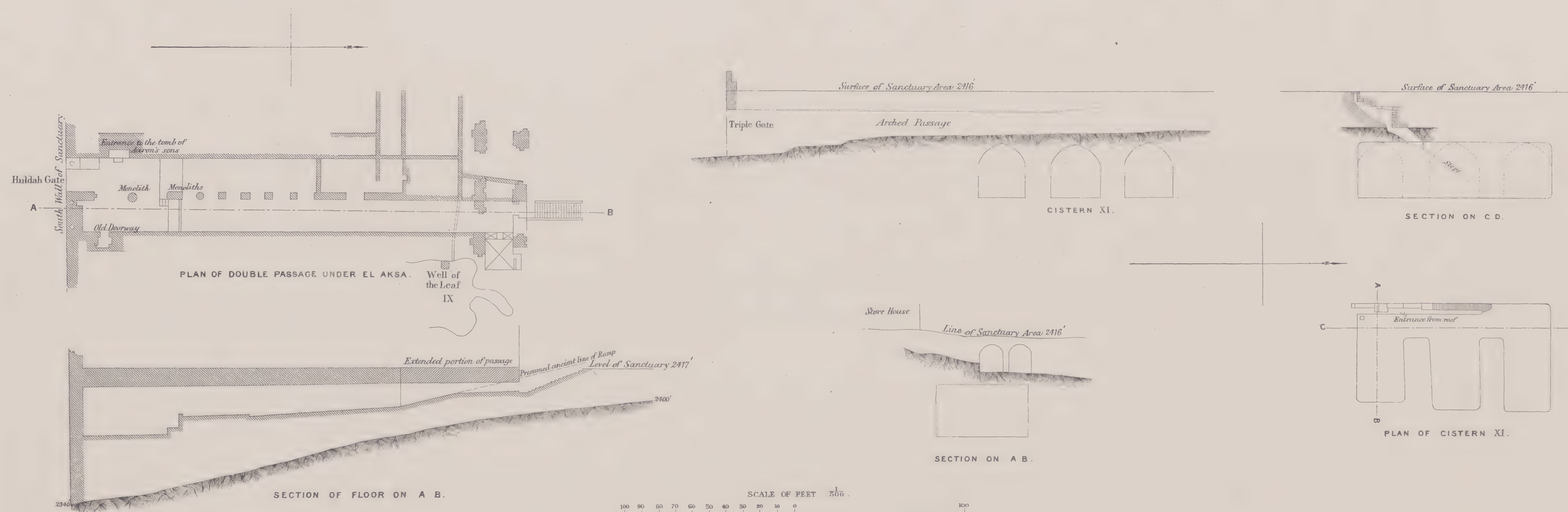
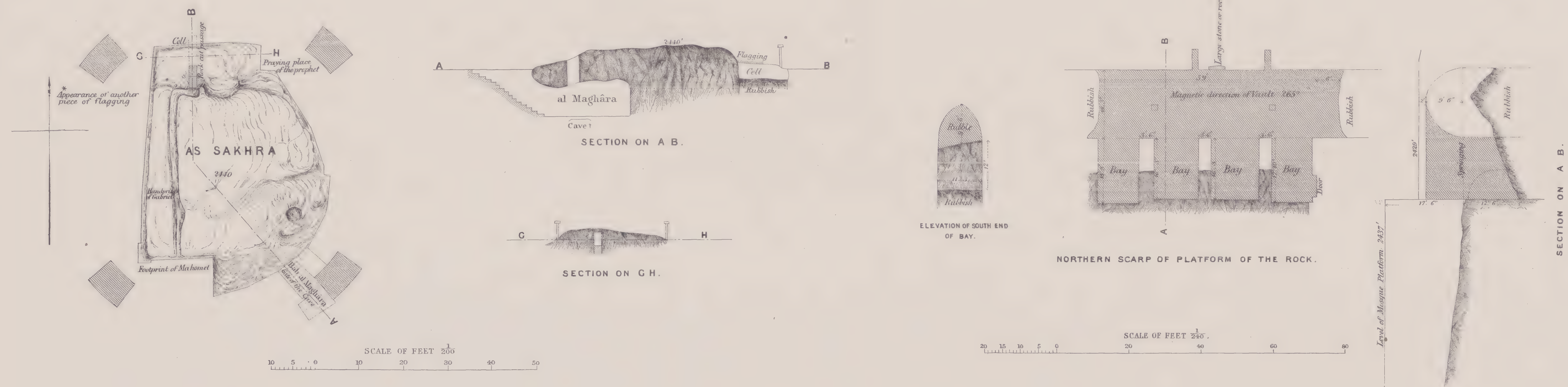




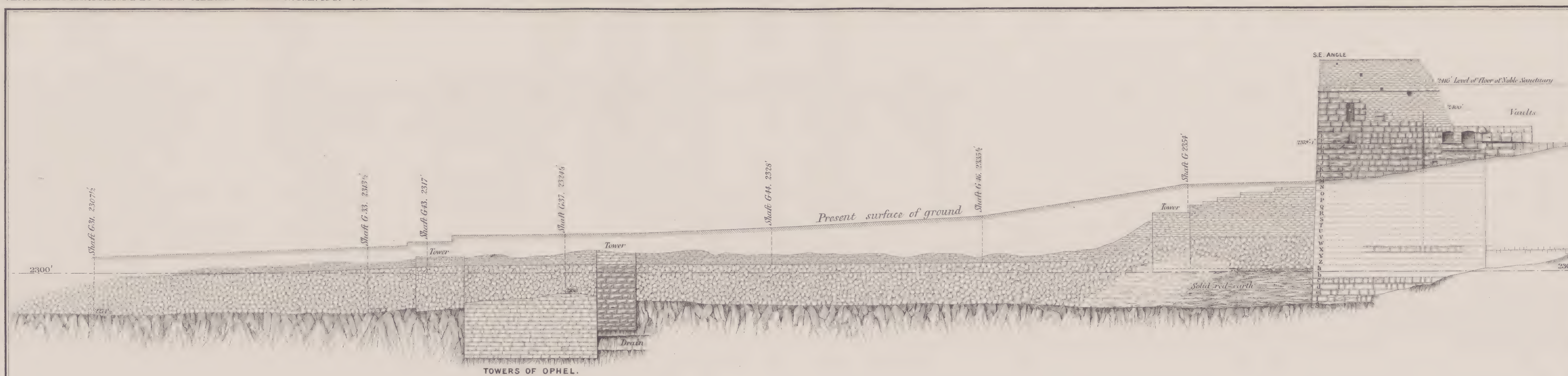


# RESEARCHES INSIDE THE NOBLE SANCTUARY

by *Charles Warren*

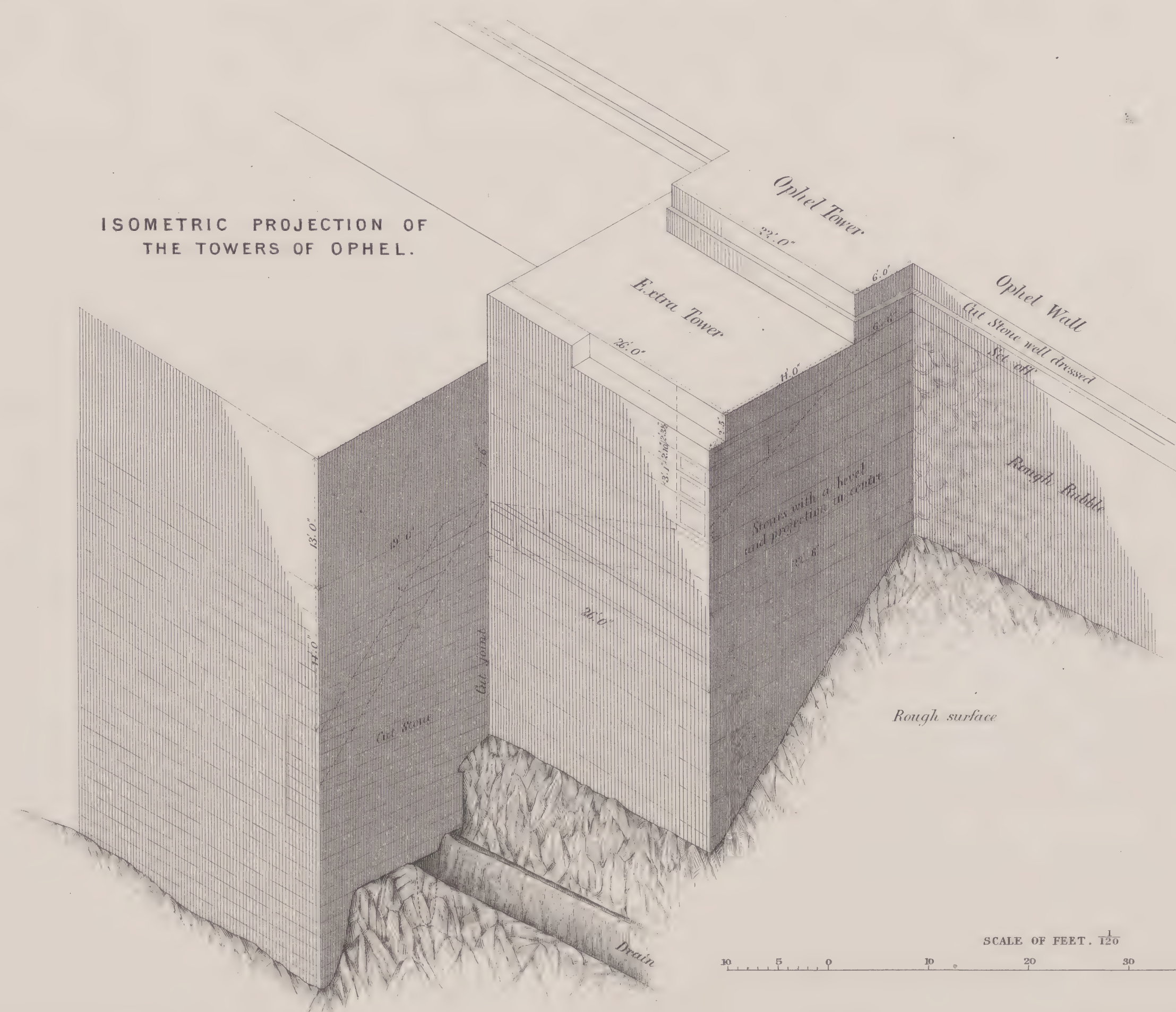
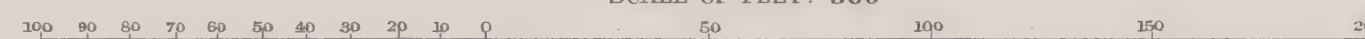




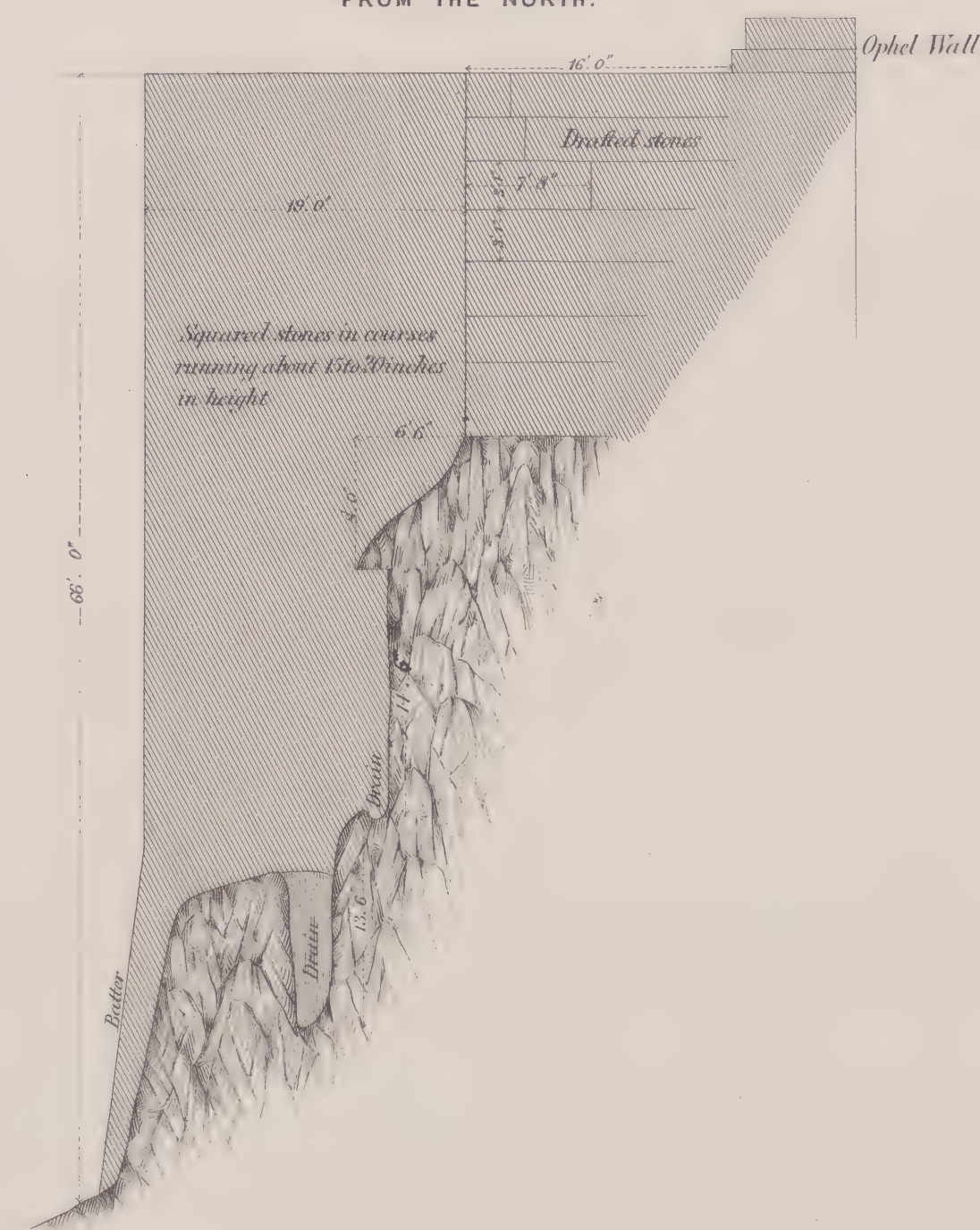


ELEVATION OF OPHEL WALL FROM EAST.

SCALE OF FEET.  $\frac{1}{500}$



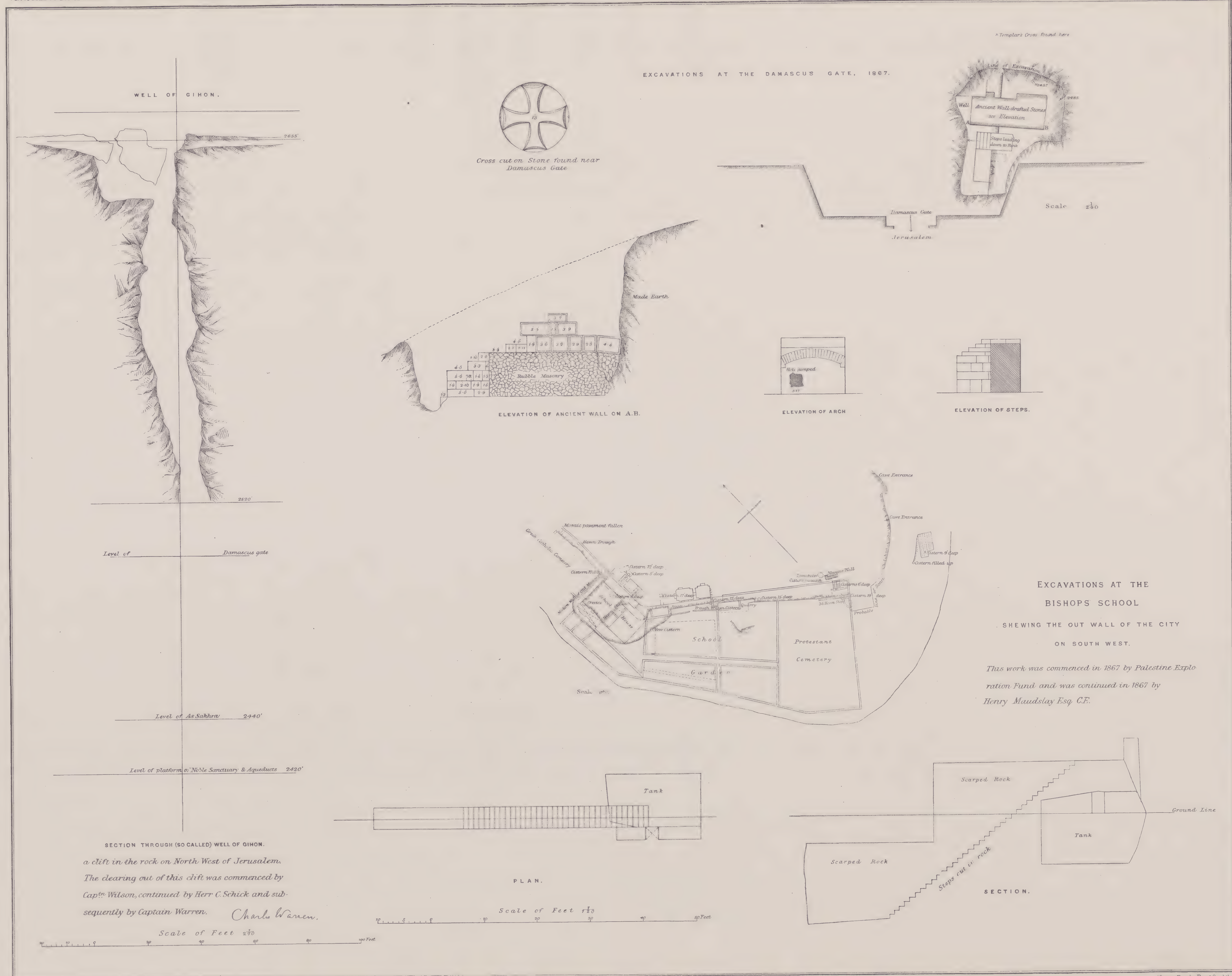
ELEVATION OF THE TOWERS OF OPHEL  
FROM THE NORTH.



From measurements by Capt<sup>n</sup>. Warren, R.E.  
and Sergt<sup>t</sup> H. Birtles, R.E.

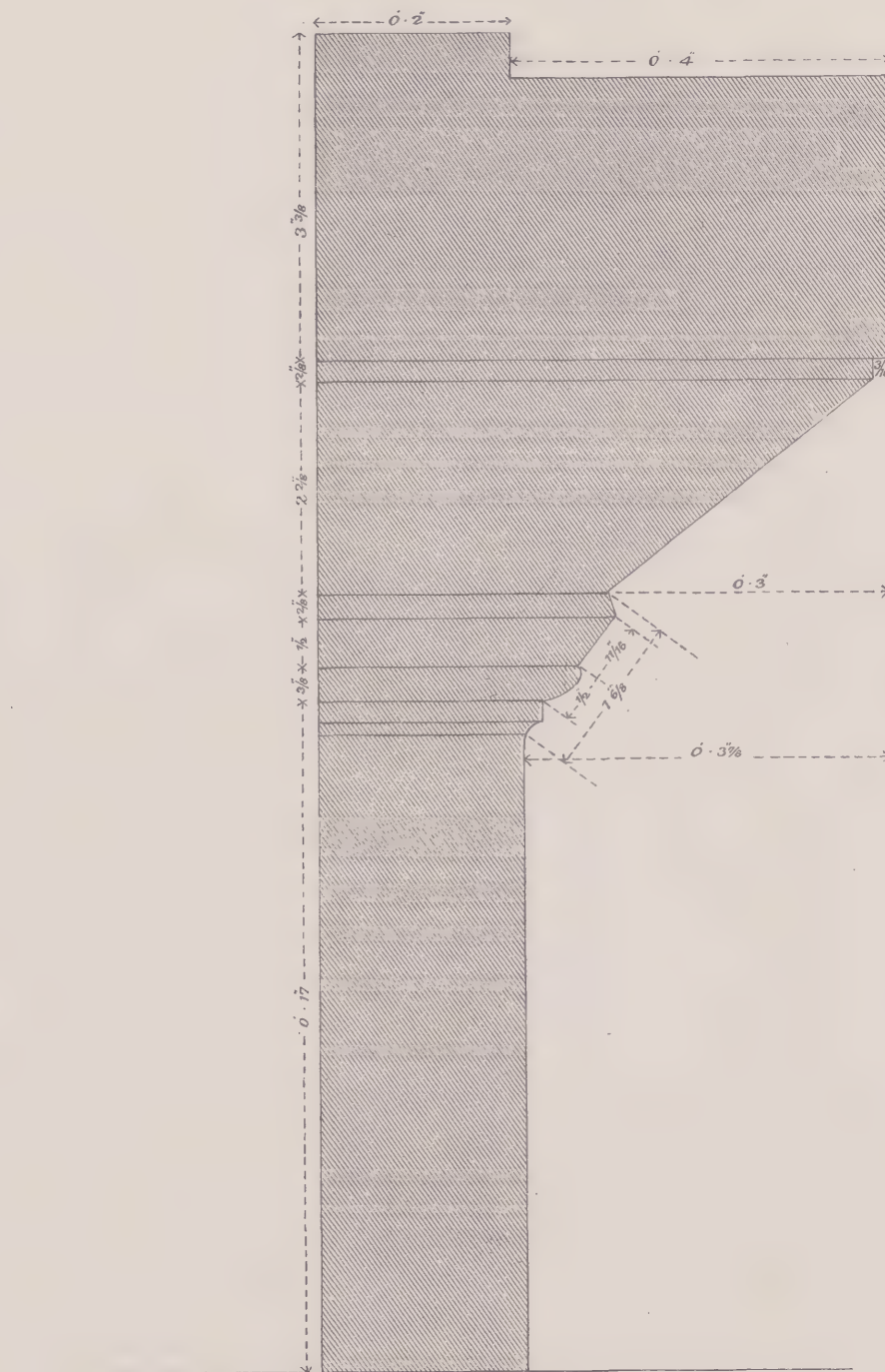
Charles Warren



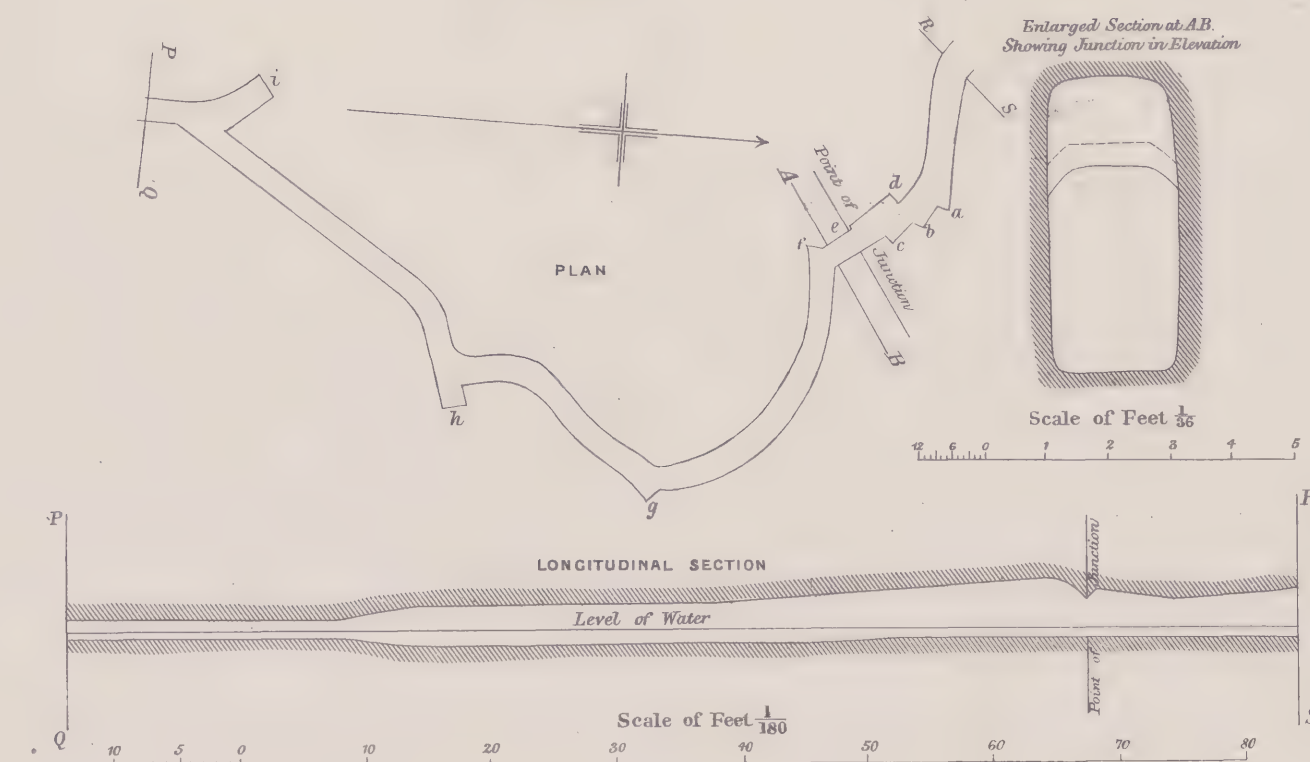




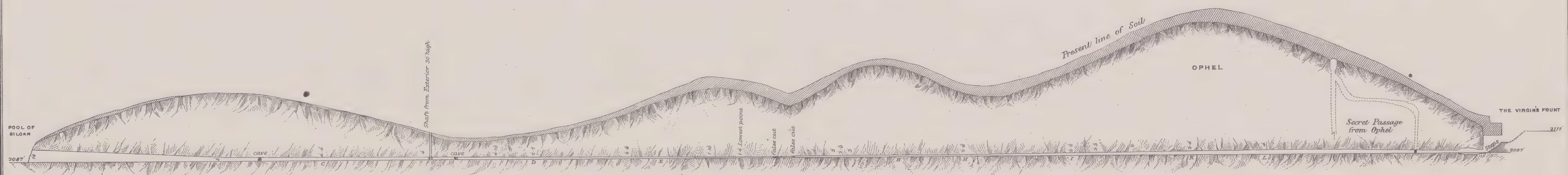
DORIC CAPITAL, FOUND BY PROFESSOR DONALDSON AT SILOAM.



VIRGIN'S FOUNT. AQUEDUCT.  
CENTRAL PORTION ENLARGED, BY CAPT. CONDER 1882.

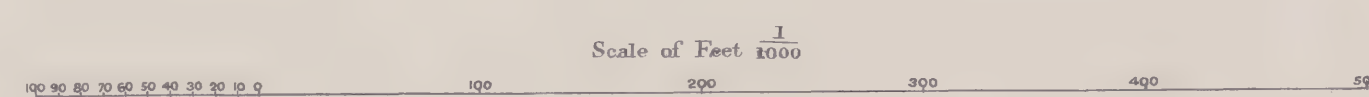


PLAN OF VIRGIN'S FOUNT AQUEDUCT.



SECTION THROUGH ROCK OF OPHEL ALONG COURSE OF THE VIRGIN'S FOUNT AQUEDUCT.

See Plates III & XLIV.

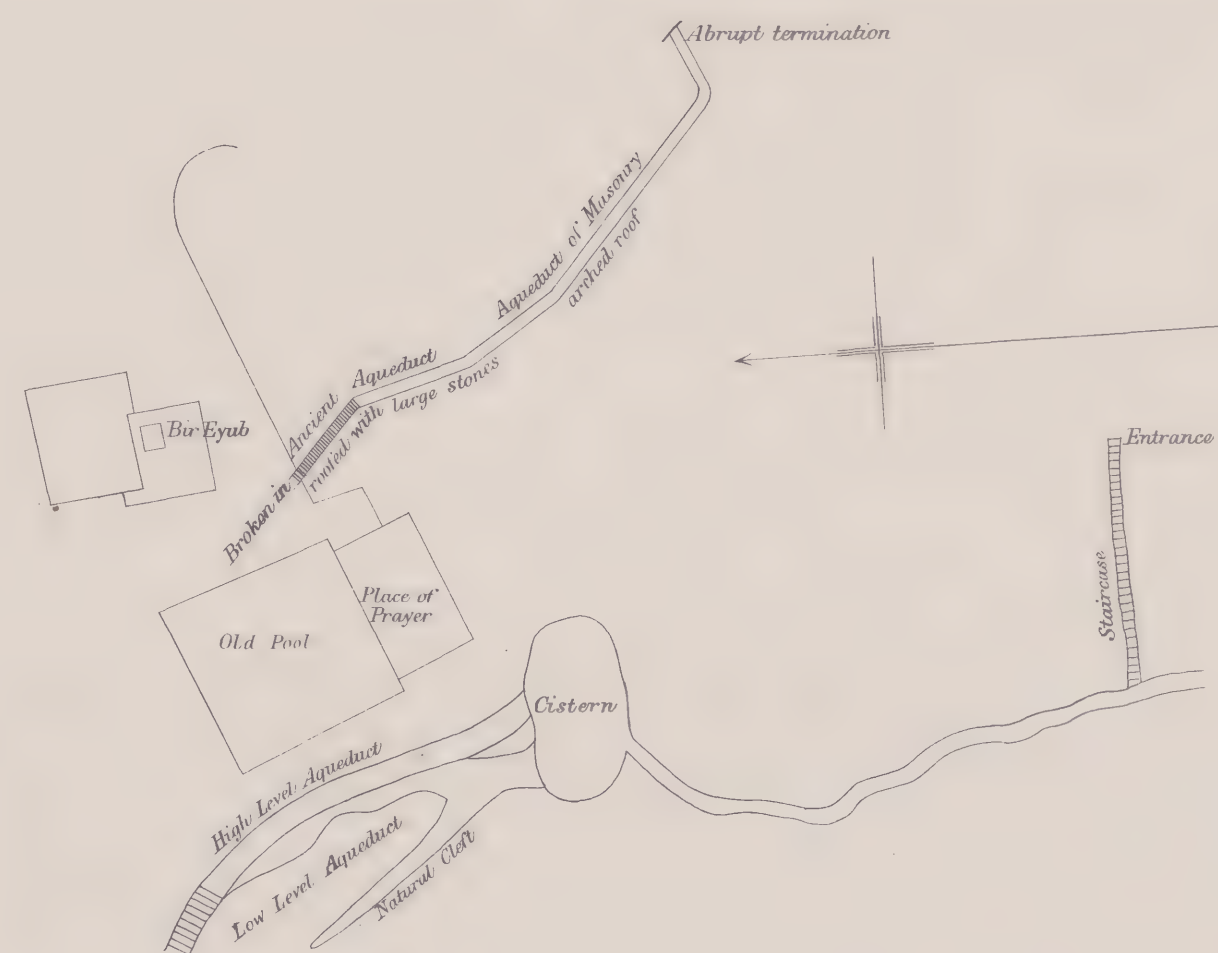


From measurements by Professor Donaldson.  
Capt. Warren, Lieu. Conder & Serjt. Birles.

*Charles Warren*



PLAN SHEWING THE POSITION OF THE GREAT AQUEDUCT WITH REGARD TO BIR EYUB.

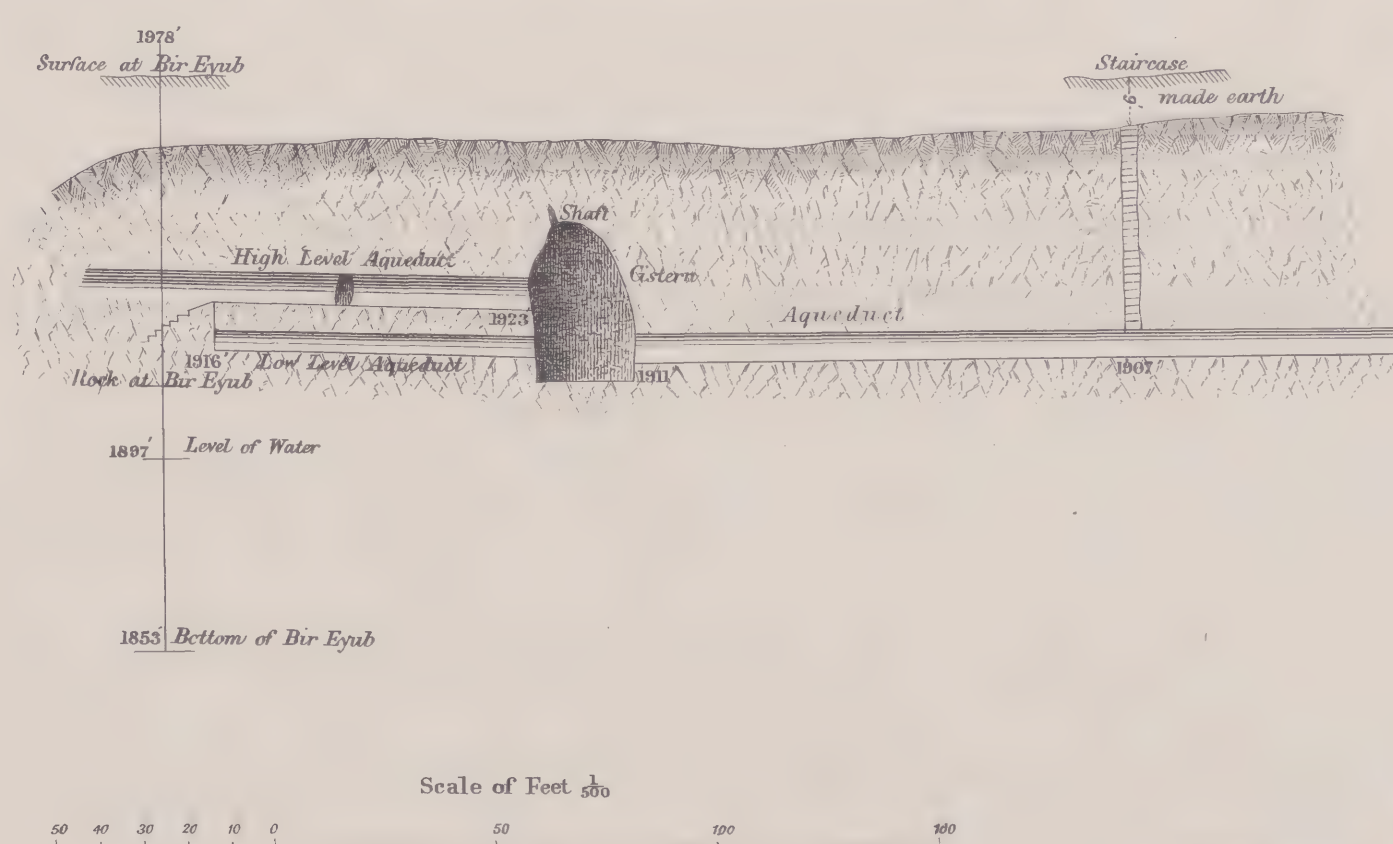


RED POTTERY JARS DISCOVERED AT OPEL  $\frac{1}{4}$  SIZE.

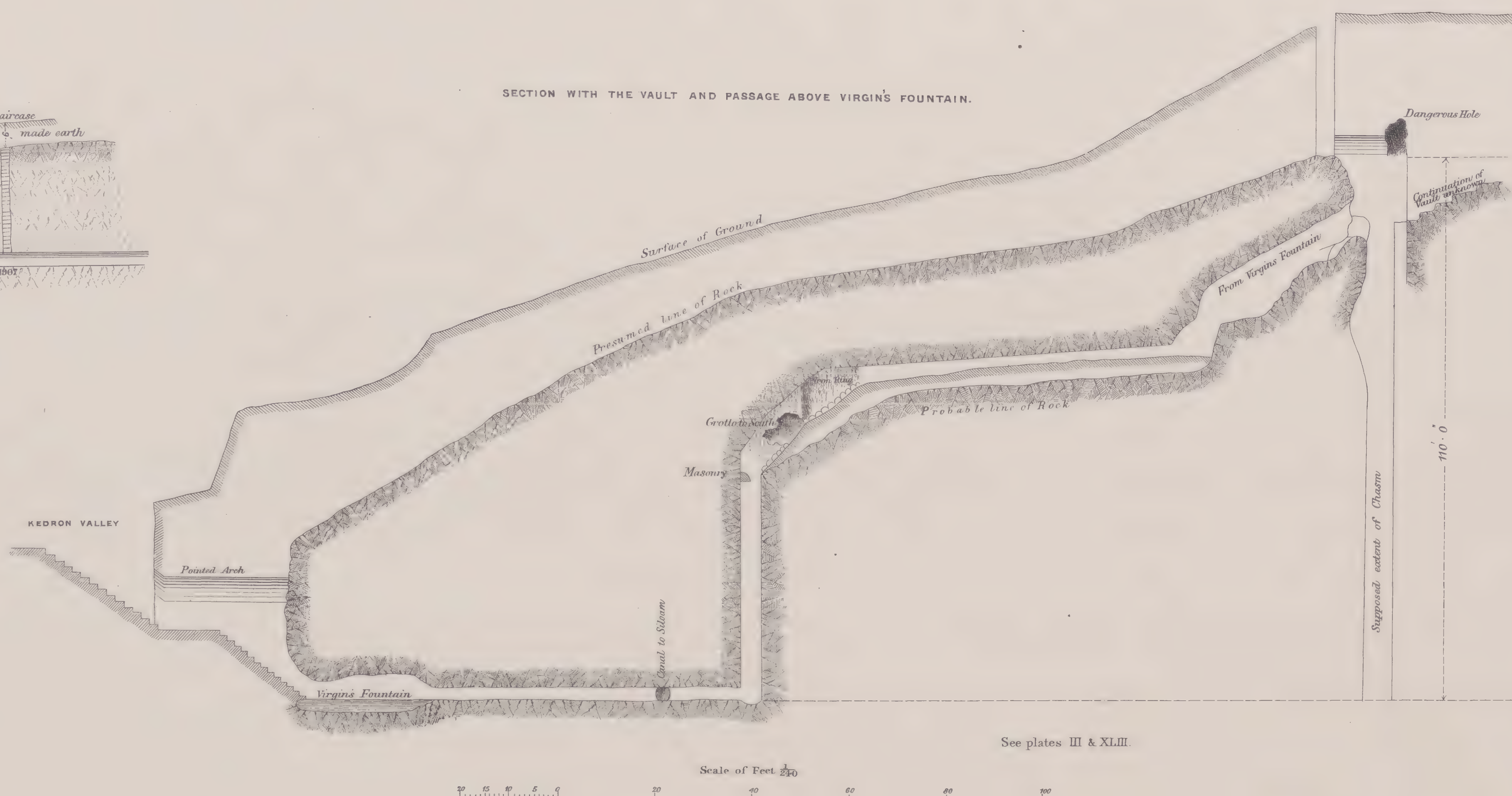


GLASS LAMP DISCOVERED IN ANCIENT PASSAGE AT OPEL  $\frac{1}{2}$  SIZE.  
TWO PERFECT & ONE BROKEN ALL OF ONE PATTERN & SIZE.

SECTION SHEWING AQUEDUCT NEAR BIR EYUB.



SECTION WITH THE VAULT AND PASSAGE ABOVE VIRGIN'S FOUNTAIN.



From measurements taken by Cap<sup>m</sup> Warren R.E.  
and Serg<sup>t</sup> H. Birtles R.E.

*Charles Warren*

See plates III & XLIII.















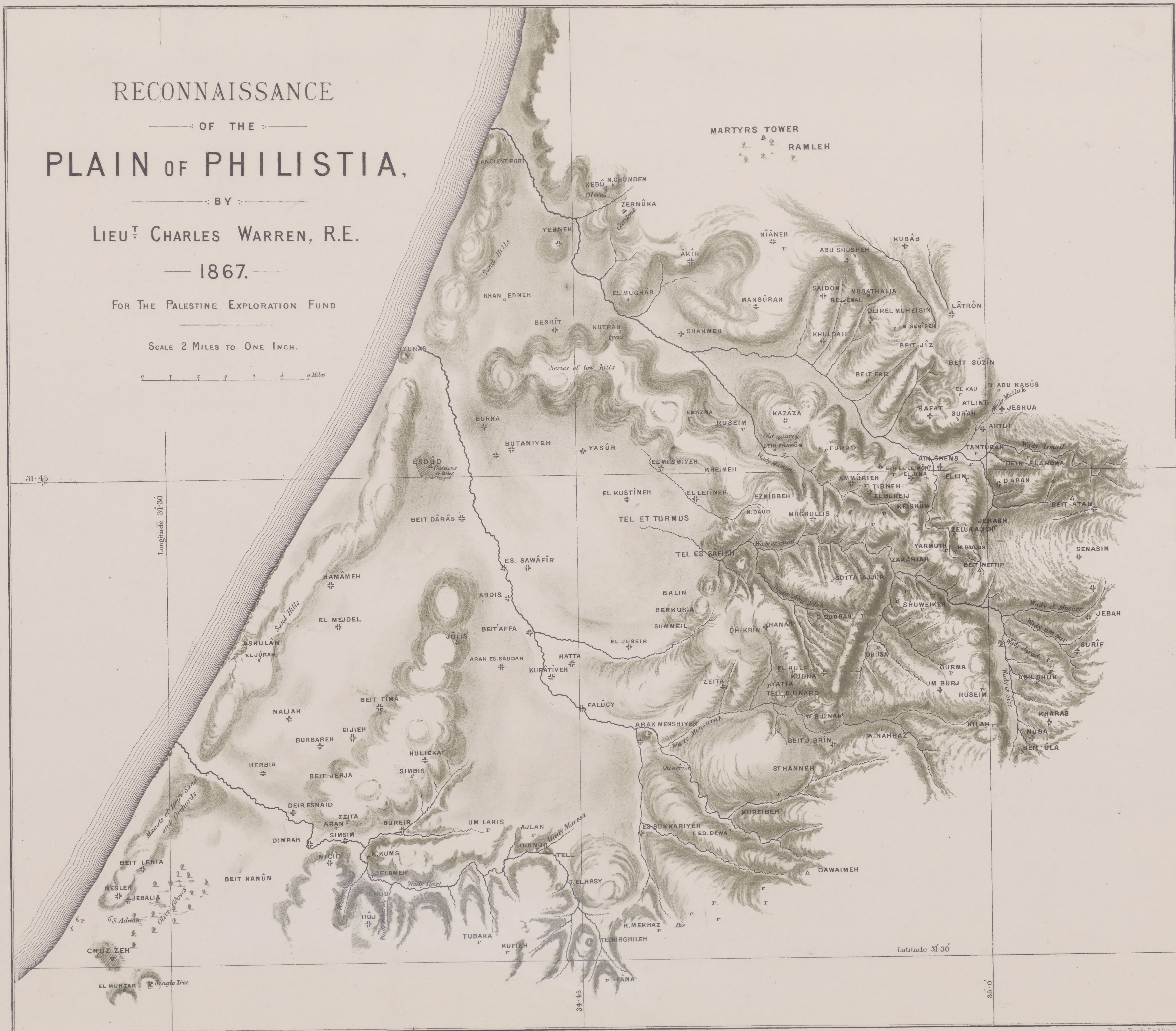
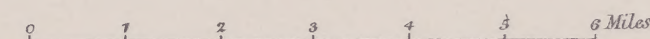




1867.

FOR THE PALESTINE EXPLORATION FUND

SCALE 2 MILES TO ONE INCH.





SEA OF  
TIBERIAS

# RECONNAISSANCE

OF THE

## JORDAN VALLEY

BY  
LIEUT CHARLES WARREN, R.E.

1867.

Scale 3 Miles to Inch

0 1 2 3 4 5 6 7 8 9 10 Miles

LINE OF ROUTE



Charles Warren



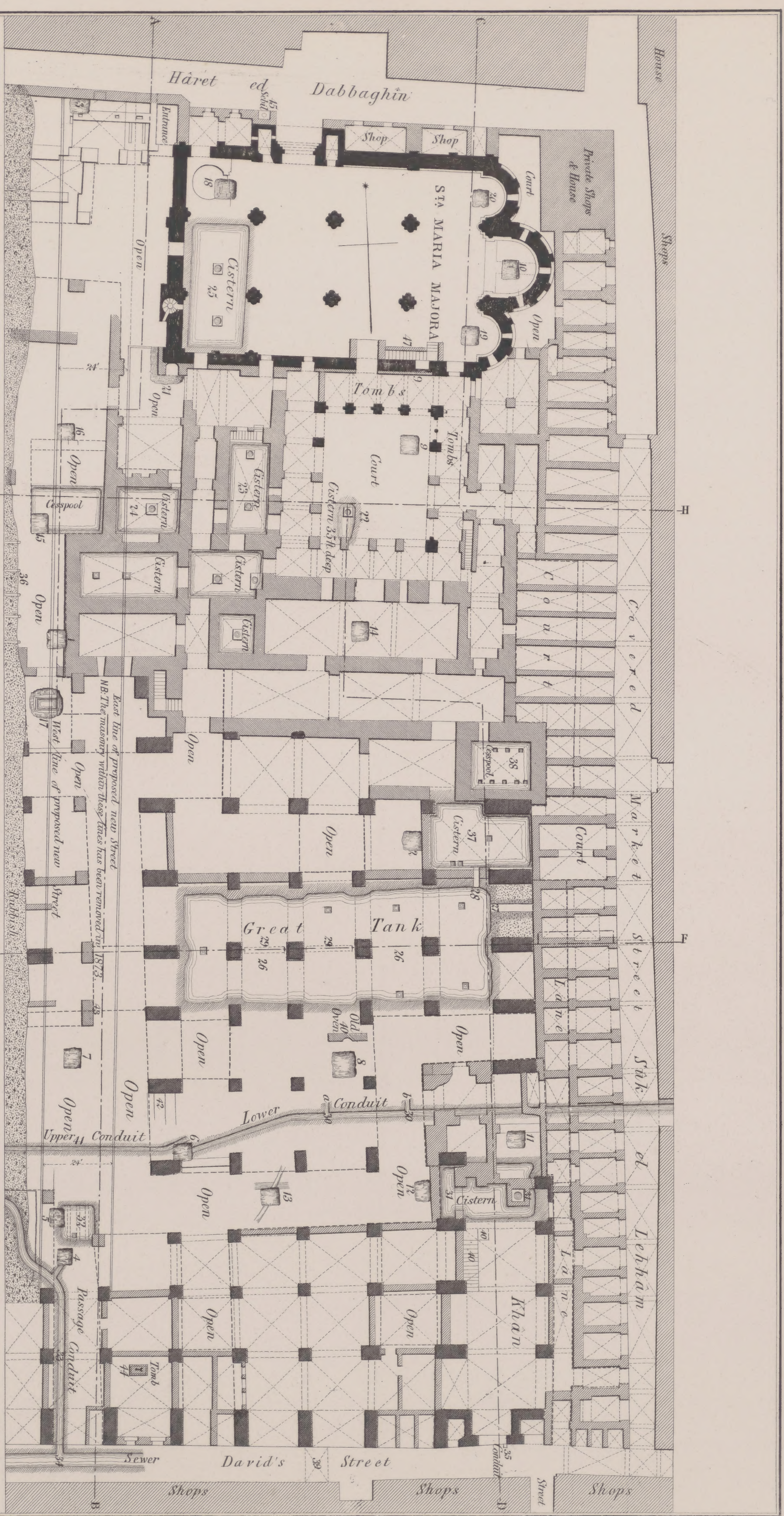
# MURISTAN JERUSALEM

## PLAN OF EASTERN HALF OF THE AREA

### Including the Church and Convent of St. Maria Majora.

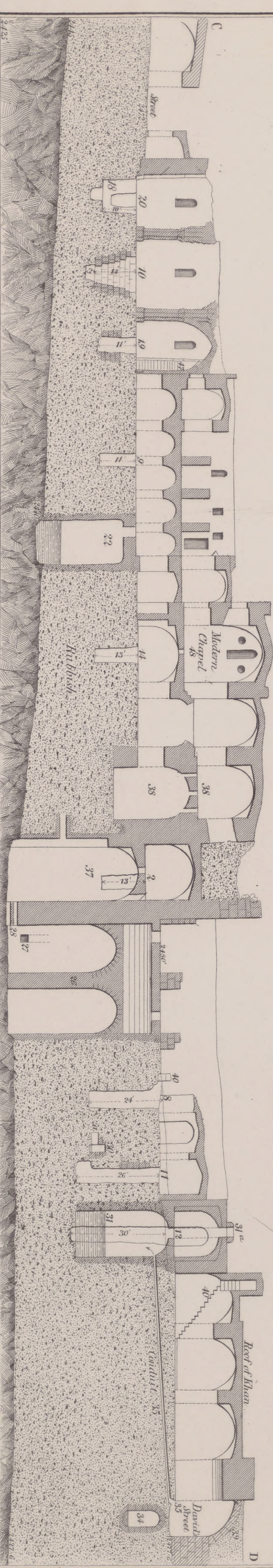
JERUSALEM EXCAVATIONS BY CAPT. CHARLES WARREN, R.E. 1867-70.

PALESTINE EXPLORATION FUND, PL. I.

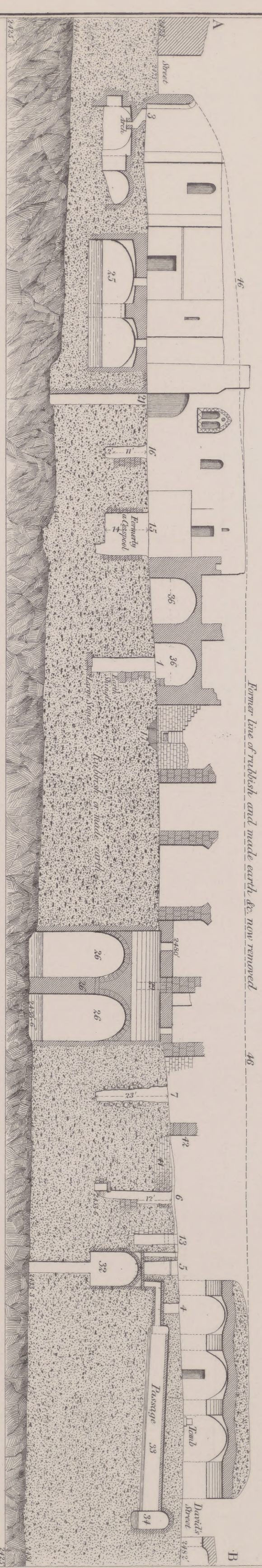


PLAN.

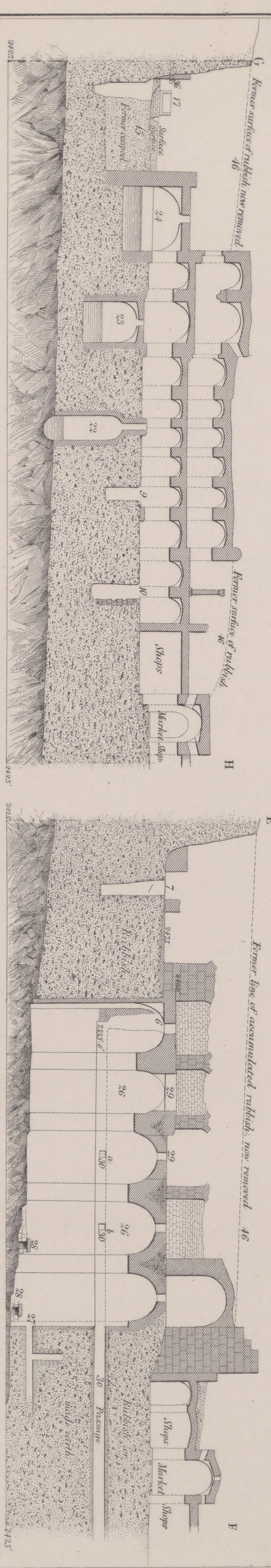
Earliest Crusading Work.  
Crusading Work.  
Restorations & additions 12th & 13th centuries.



SECTION ON LINE C D.



SECTION ON LINE A B.



SECTION ON LINE E F.

Scale of Feet for Plan & Sections.  
0 10 20 30 40 50 60 70 80 90 100

SECTION ON LINE G H.